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Farm and Ranch Review

VOLUME XL
NUMBER 11

CALGARY, ALBERTA
NOVEMBER, 1944

FORTIETH YEAR OF SERVICE TO WESTERN AGRICULTURE



FARMERS! **WILL** **YOU HELP** **THIS WINTER?**

If you are not required on the farm this winter you should take other work.

Extra winter workers are needed for woods operations—logging and pulpwood and fuel cutting—base metal mines, coal mines, meat packing and cold storage, grain handling, railway track maintenance, iron foundries and other high priority occupations, varying with the area.

Please offer your services to:

*The nearest Employment and
Selective Service Office; or*

*The nearest Provincial Agricultural
Representative; or*

*Your Local Farm Production
Committee.*

A good response to this appeal is important to Canada's welfare—please act immediately.

Postponement of Military Training continues while in approved essential work off the farm.

NATIONAL SELECTIVE SERVICE
DEPARTMENT OF LABOUR

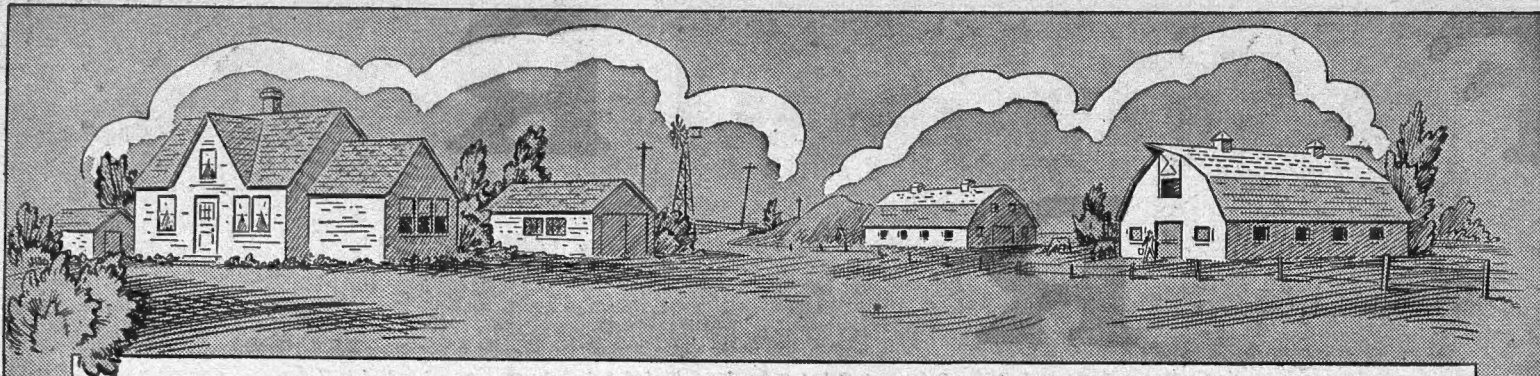
HUMPHREY MITCHELL A. MacNAUL
Minister of Labour Director, National

This advertisement is issued by the Dominion Department of Labour in aid of the Dominion-Provincial Farm Labour Programme.



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"BOARD" COMPANIES ANNOUNCE *IMPORTANT INSURANCE NEWS*

**1. BIG REDUCTIONS IN FARM PROPERTY
FIRE INSURANCE RATES.**

**2. BROADEST FIRE INSURANCE COVERAGE
OBTAINABLE ON FARM PROPERTY.**

CHECK THESE ADVANTAGES OF THE NEW "BOARD" POLICY

- ✓ **FULL INSURANCE PERMITTED...YOU CAN NOW INSURE
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- ✓ **NO PREMIUM NOTES OR ASSESSMENT...YOU KNOW
EXACTLY AND IN ADVANCE, WHAT YOUR INSURANCE WILL COST.**
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- ✓ **COMPLETE FARM FIRE INSURANCE PROTECTION...THIS NEW
BOARD POLICY IS ESPECIALLY DESIGNED TO MEET EVERY
FIRE INSURANCE REQUIREMENT OF THE WESTERN FARMER.**

THE NEW LOW "BOARD" FARM RATES ARE THE RESULT OF
IMPROVED FIRE LOSS EXPERIENCE IN MANITOBA,
SASKATCHEWAN AND ALBERTA.

THESE REDUCTIONS AGAIN PROVE THAT *BOARD*
COMPANIES PROMPTLY DECREASE INSURANCE COSTS WHEN
EXPERIENCE JUSTIFIES SUCH ACTION.

NEW RATES AND FORMS ARE EFFECTIVE OCTOBER 1ST AND APPLY
TO FARM PROPERTY IN MANITOBA, SASKATCHEWAN AND ALBERTA

**TAKE ADVANTAGE OF
THESE LOW RATES**



**CONSULT YOUR LOCAL
BOARD AGENT NOW**

STOP costly BREEDING FAILURES with **REX** WHEAT GERM OIL

Infertility, shy breeding, inactive males, false pregnancy, frequent misses, weak calves, abortions and other non-organic breeding troubles cause serious loss of production . . . AND PROFITS.

Rex Oil overcomes common non-organic breeding troubles because it contains factors which act favourably on reproduction, such as Alphatocopherol (Anti-Sterility Vitamin), Lecithin, Cephalin, unnamed carotinoids, Sterins, Free Fatty Acids, and other unisolated "FRESH" factors.

Remember, too, that Rex Oil is inexpensive — requires no special messy troublesome handling or storage . . . you simply add a few drops daily to regular rations.

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DRUG STORES
4 oz. - \$1.25
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For ALL livestock and poultry

Buy More VICTORY BONDS NOW!

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OF UNIFORM MIX
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ELEVATORS

Manufactured Exclusively by
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So. Edmonton, Alta.

Romance of the Railway

By T. W. H. THOMPSON

ONE must live in the country to appreciate the enormous volume of railway traffic these days, and to catch, incidentally, some of the romance of the railway.

The city dweller, close as he may be to the railway, sees little of it. High fences run around the yards and hide it from him. Subways take him under it, and bridges carry him over it. He seldom even gets a good look at the train he travels on, for from the time he buys his ticket at the wicket and is shepherd through a specially marked gate, to the time he reaches his destination, his association with the railway is confined within the narrow limits of the coach which he occupies. Petty things like the high-pressure newsy, and the window that sticks have first claim on his attention. Into the city the trains slink stealthily like a wild animal slinks into the unfamiliar surroundings of civilization, knowing it should not be there. In the country there is nothing stealthy in its passage over the wide open spaces of the prairie. Belching smoke it goes whooping by, roaring and whistling joyously like a living thing.

In the country town where I live the railway cuts right through the main street, and the trains thunder by you as you wait to cross to visit your neighbours, just as one stands and waits for the traffic on Portage Avenue or Yonge Street. At night they lull us to sleep so accustomed are we to them.

We in the country know the railway more intimately than our city cousins do. We know the local dispatchers personally, and have listened to their incomprehensible double talk to the chief dispatcher at the next divisional point. For, every train is reported over the private telephone of the railway as it goes by. We even know many of the engineers and conductors, and we pass the time of day with them when they are held up. We know a little of railway lore, as for instance the fact that all trains have numbers, and the odd numbers go west, and the even numbers go east. We feel quite in the know when we talk about Number 7 being on time. The east and west passenger trains run in sections, and there are sometimes as many as three or four sections to a train, running about twenty minutes apart. Seated on a parcel of express we indulge in some rough calculation; eight trains of ten coaches with forty people in each coach adds up to about 3,200 people, and we feel proud to think so many people should visit our little town. We ruminate further and realize that over a year a million people pass our way, and we meditate on the possibility of business advantages from this regular though ephemeral parade of potential customers who literally slip through our fingers daily. As the last train fades into the distance we make a mental note to bring it up at the next meeting of the Board of Trade.

We know, too, all about "hoop" trains. Trains that are not scheduled

to stop are handed their orders attached to a hoop. This hoop is a stick about six feet long looped at one end so that the conductor and engineer can hook it in their arm as they go by. They detach the message and throw the hoop back on the platform. Both engineer and conductor must be handed orders, and if either one misses the hoop the train must stop.

The freight trains that pass through our little town in a day stir the imagination. Some of them are over half a mile long, and the despatcher has time to go back to his office and carry on with his work after he has handed the engineer his loop and before the caboose shows up with the conductor looking for his. All freights have cabooses by the way, but regular passenger trains do not. When you see passenger trains with a caboose you may be sure it is a troop train, a prisoner train or something unusual. The caboose is allotted to a conductor personally, and he always keeps the same caboose whatever run he may be on. The caboose to a conductor is a home away from home.

We in the country never get tired of watching the freights go by. The wealth of the nation is paraded right before our eyes, some of it in the form of raw material and some the finished product of our industries. Oil tankers carrying gas for our bombers, flat cars loaded with lumber for ship building and farm machinery for farmers, cars concealing goods, the nature of which we can only speculate upon—guns, maybe, or ammunition, or aeroplanes. We see for ourselves the enormous job Canada is doing in this war. We could give the number of trains which go through here in a day, but perhaps we should not divulge this, although anyone could sit along the right of way and count them if they wished. Enough to say there are many dozens. One freight train weighs about 3,000 tons gross which may give some idea of the staggering amount of goods and material that is transported these wartime days. It also gives one some idea of the reason that an engineer hates to stop if he can help it. Starting up a load of 3,000 tons dead weight would seem an almost impossible task. Perhaps you may have noticed when travelling on a train how it will sometimes jerk and stop, and then jerk again when pulling out of a station. If you have been in the diner drinking soup you would probably blame the engineer for being a clumsy oaf. If you were standing outside and watched, you would understand the reason. You see if the cars are all stretched out "taut" the engine has to pull the full 3,000 tons at one time. So the engineer backs up slightly and slackens them, so to speak, so that the strain on the engine is lessened as it pulls them one at a time instead of the full weight all at once. Sometimes he has to try this three or four times before he can get going.

There are prison trains, too, come by our door. Three thousand prison-

(Continued on page 14)

Relieve LAMENESS

due to bruises, strains, puffs

Farmers know there's nothing like Absorbine for lameness due to shoulder galls, strains, bruises, puffs. A standby for 50 years, it's used by many leading veterinarians.

Absorbine speeds the flow of blood to the injury to help carry off the congestion. It usually brings swellings down in a few hours!

Not a "cure-all," Absorbine is a time-proved help in relieving fresh bog spavin, windgall, collar gall and similar congestive troubles. Absorbine never blisters or removes hair. Only \$2.50 for a LONG-LASTING BOTTLE. At all druggists.

W. F. Young, Inc., Lyman House, Montreal.

ABSORBINE

Buy More Victory Bonds!

"VIGOR"

TURKEY GROWING SUPPLEMENT

BUILDS BIG FRAMES
FOR LARGE FLESH
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Burns'
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FEEDING SUPPLEMENTS

GLASS for Automobiles, All Models
Prompt Shipment

THE BENNETT GLASS CO. LTD.

M 1778 228 - 7th Ave. East, Calgary

HERE'S MY FEED PROBLEM . . .

Has feed a definite effect on the health of baby chicks after hatching?

HERE'S THE ANSWER . . .

One sure way to save baby chicks is to put the best of the necessary food materials inside the hatching egg. Naturally the only way to do this is through the hen. So feed your laying hens "Miracle" Hatching Mash at least two months before you collect the eggs for the incubator. "Miracle" Hatching Mash is tested to give your laying hens perfectly balanced food value. If you have plenty of farm grains, mix your own feed with "Miracle" Hatching Mash Supplement.

M44-32

ASK FOR
"MIRACLE" FEEDS

Easy to roll, delightful
— to smoke

Ogden's

FINE CUT CIGARETTE TOBACCO



1814

What they achieved...we must hold

THEY HAD ENDURED POVERTY in Scotland. Many had died of typhus during long weeks at sea. All through the winter at Churchill on Hudson Bay they suffered from cold and hunger: In April they trudged 150 miles across the snow to York Factory—thence up the Nelson River, Lake Winnipeg and the Red River to the Selkirk Settlement where Winnipeg now stands.

It was a whole year's journey for this little band of Selkirk Settlers—a year of constant hardships. But these hardy pioneers were willing to undergo any hardships to reach a land where their

effort and initiative could earn its reward, and where they could carve out a happy future for themselves and their children.

That is the heritage they have handed down to us. That is what we are defending in this second World War.

Victory Bonds are a means by which each Canadian can share in the war effort of his own free will. That is why Canadians have given their wholehearted support to each Victory Loan. That is why we will all support the Seventh Victory Loan to the limit of our ability.

THE
ACHIEVEMENT OF THE
PAST IS THE PROMISE
OF THE FUTURE



Invest in
Victory... **BUY VICTORY BONDS**



THE INTERNATIONAL NICKEL COMPANY OF CANADA, LIMITED, 25 King Street West, TORONTO

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by the
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FARM AND RANCH REVIEW

Founded and Edited by the late C. W. PETERSON in 1905 in the
interests of the Farmer and Prairie Home.

SUBSCRIPTION RATES: To bona-
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west of the Great Lakes—and when
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CALGARY

November, 1944

CANADA

Number 11

OUR RESPONSIBILITY

Warning has been given by Finance Minister Ilsley that we Canadian people cannot afford to relax our efforts at this time. Your dollars and mine must buy the tools of war. More and more are needed to put an end to the horror and the bloodshed. Let us not lose sight of our responsibility to the boys who are giving so much for us. Day after day we pray for their safe return. We long for that day. Our dollars will make it easier for them to reach that goal our leaders have set — "unconditional surrender" of a vicious enemy. How soon we herald the shining dawn of peace depends on us.

Invest in Victory—Buy Victory Bonds!

ALONG THE ROAD OF LIFE

When celebrating his 92nd birthday, the late Sir William Mulock said: "I am still at work with my hand to the plough and my face to the future. The shadows of evening lengthen about me, but morning is in my heart. I have had varied fields of labour and full contact with men and things, and have warmed both hands before the fire of life. The testimony I bear is this: The Castle of Enchantment is not yet behind me. The rich spoils of memory are mine. Many, too, are the precious things of to-day—books, flowers, pictures, nature. The best things of all is friends. The best of life is always further on. Its real lure is hidden from our eyes, somewhere beyond the hills of time."

On October 1st, another great man, brought up on a farm, quietly passed from among us.

PEACE

The Hon. Walter Nash, of New Zealand, said in an address in Ottawa recently, that "The first ten years of peace would be the most dangerous years in history".

Every right-minded citizen the world over wants peace. We believe that to be true. Peace is not only good, but also necessary to happiness, whether it be the heart, the home, or the world. Happiness and peace go hand in hand, so surely there are none among us who after these cruel years of the greatest human sacrifice, does not only want, but really longs for peace, a peace in accordance with truth and right for without them there can be no lasting peace. These two essentials are always imperative and there must never be a time or place where truth and right should not be. Yes, we all long for peace, a most natural and noble desire, but let us make it a real peace. May it come soon, but until it does let us continue to "fight the good fight with all our might"!

GOOD GOING, ALBERTA!

Farm debts in Alberta over a six-year period, 1937-43, have been reduced some \$80,000,000.

This amount includes mortgages, agreements for sale, farm-aid advance, tax arrears and amounts owing to implement and oil companies. A debt reduction of nearly one-third in six years is good going.

FREE TREES TO FARMERS

Since the Dominion Forestry Stations at Indian Head and Sutherland were established in 1901, a total of 197,252,000 deciduous trees have been distributed free to 182,891 farms in the Prairie Provinces.

In 1910 the distribution of evergreen trees was begun from these stations, for which a nominal charge of one dollar per 100 trees is made. In the past thirty-four years more than 4,418,000 such trees have been shipped to 27,330 farms. Particulars of how to obtain trees for shelter-belts and farm woodlots can be obtained from the Superintendent, Dominion Forestry Station, Indian Head and Sutherland. The trees are shipped in the spring, and, with each consignment, go full instructions on how to plant and care for them. Trees improve the appearance of any farm home. This is particularly true of our Prairie Provinces.

CANADA'S VETERANS

This issue of the "Review" carries a most important post-war announcement, issued by the Minister of Pensions and National Health. The "State" has a plan for our boys' and girls' future after discharge which demands our attention and study. What are you planning to do for these boys and girls? What is your community planning to do for them? The problem of finding jobs for all those who come back will be a big one. You will have to help. Your community will have to help. Do not let us depend altogether on the "State", there is lots we can do. We can give our neighbors and community a helping hand. We all know about labour shortage, yes, right on the farm. The boys in the services have heard about it, too. What will they think when they come home if they have trouble in finding a job. These boys have done a real job for us. They are deserving of our best. Let us help them to help themselves.

FARMERS' MEDAL

For their work in the war, farmers deserve the finest medals Canada can design, and their contribution towards rehabilitation of the unhappy victims of Germany in Continental Europe will be equally significant.

PRICE AND SUPPLY CONTROLS

All countries which have made a concerted effort to prevent inflation have found it necessary to reduce consumer demand, to hold down costs of production and to regulate the distribution of goods in short supply. All of these controls are inter-related. High income taxes and government borrowing from the public are essential to reduce the pressure of excess purchasing power which would otherwise be used to bid up prices. Such a fiscal policy has the added advantage that it distributes the financial burden of the war in accordance with ability to pay.

Though wage control is essential to the success of price control, it is also dependent on it, for it would be quite impracticable to hold wages and salaries if living costs were rising sharply. Control of salaries and wages also aids in checking the pressure of increased purchasing power. To simplify industrial practices most governments have cut out non-essential designs and "frills" and have rationalized distribution. Thus the whole variety of wartime anti-inflation controls are all parts of a single whole—effective price control is impossible without a determined taxation and borrowing policy, wage control, subsidies and distribution control, while these measures are in turn inter-related. Here in Canada we have possibly established a unique record among the United Nations for keeping inflation at bay, but we must be ever cautious of the danger that lies ahead when we return to the more normal condition of peace.

WILL NEED HORSES

Canadian breeding stock may play a large part in re-building the live stock herds of Europe when the war is over. Particularly in the restoration of farm power, the horse will be required.

Alberta has a surplus of horses, and they will be needed in the liberated countries of Europe.

Horses in Britain, Belgium and Holland have been reduced by one-half, so the horse market is bound to become stabilized.

CREDIT OR CASH

Necessity knows no law. If a purchase must be made, and one has not the cash to cover it, it must perforce be computed on a credit basis, that is, if one is able to command the credit necessary. There is, however, frequently, in fact, most frequently, another alternative available, namely, to do without. It is surprising how often we can do without and, having learned to do without, how unessential the goods or articles we so earnestly coveted will afterwards appear.

Buying on a credit basis unconsciously leads to extravagance.

**YOUR POSTWAR
TRACTOR
should be...**

**A LIGHT TRACTOR
FOR LIGHT WORK**

**and AUTOMATICALLY
become...**

**A HEAVY TRACTOR
FOR
HEAVY WORK**

The exclusive Ferguson Linkage System turns draft into more weight when more traction is needed.

**ONLY THE FORD TRACTOR WITH
FERGUSON SYSTEM GIVES YOU
THIS ECONOMY...TODAY!**

PERHAPS your next job of plowing will be easy—a light tractor will do the job. Maybe it will be hard... in this case you will need a heavy tractor.

Or, it might be fairly easy with a really tough spot coming up every few rods. Then, what kind of a tractor would be best?

The correct amount of tractor weight for every kind of ground working tool in every kind of soil is found in the Ford Tractor with Ferguson System.

It is a light tractor weighing nearly one thousand pounds less than other full two-plow tractors. On most jobs, that is a thousand pounds less to burn fuel and to pack your soil.

What happens when you run up against a hard pull? Here is the surprising feature. This modern tractor carries, instead of merely pulling, plows and other ground implements. As ground tools start into denser soil the extra weight of that soil plus the greater resistance of the tools getting through it have the same effect as though wheel weights were being thrown on and off as the tractor makes its way across the field.

So the Ford Tractor combines *all* the desirable features of both a light and a heavy tractor with none of the shortcomings of either.

The next time you are in town ask your Ford dealer how it automatically changes its weight to suit the job.

**FORD MOTOR COMPANY OF CANADA LIMITED
WINDSOR, ONT.**

Recent HAPPENINGS

• HERE AND THERE •

National Selective Service is opening a campaign to secure over 100,000 men from farms for work in other essential industries during the fall and winter months.

London has been in the front line of the final victorious phase of the greatest war that history has ever known.

Up to September 1st, flying bomb attacks on England killed 6,817 and seriously injured 17,086 people.

It is reported that weather conditions have been favourable for Russian bread grain crops in nearly all the important areas.

It is quite possible there will be no single day which can be called the end of the war with Germany. The German armies may gradually disintegrate and surrender piecemeal.

Gandhi and Jinnah met recently to begin discussions which may lead to a settlement of India's Hindu-Moslem problem.

It is estimated that gross farm incomes in Canada this year will come close to \$1,750,000,000, compared to \$1,407,000,000 in 1943, or \$384,000,000 in 1932.

Japanese and German prisoners of war are reported working in the sugar beet district near Raymond, assisting in the garnering of the 1944 crop. During the brief life of the industry in South Alberta, millions of dollars worth of sugar has been processed from sugar beets and marketed all over the world.

Some 1,200 German prisoners are engaged in agricultural work in the west, according to the *Lethbridge Herald*. Most of them are working on southern Alberta farms, but 200 are on Saskatchewan farms.

There are 5,118 Smiths in the Canadian Army. Good going, Smith.

Some people imagine that there is going to be a "cooling-off period" between the end of the war and the beginning of the Post-War era. There isn't!

Among the sources of those innumerable calamities which from age to age have overwhelmed mankind, may be reckoned as one of the principal, the abuse of words.—George Horne.

When a mounted policeman is on duty in Trinidad, he rides a Canadian horse. When a constabulary patrol makes its rounds in the Barbadoes, it is mounted on Canadian steeds. Yet few Canadians may know that during the past eleven years Canada has supplied all the police horses used for constabulary work in the British West Indies islands of Trinidad and Barbadoes.

Out in the Western States they are using square milk bottles. It works. 45% more milk can be stored in your refrigerator this way, so if in the past your milk bottles have been crowding you, here is the way for more space and more peace.

179 years ago the first organized agricultural fair in Canada was held in 1765 at Windsor, Nova Scotia. In Ontario the Niagara Agricultural Society held a fair in 1791.

King George has invested Queen Wilhelmina of the Netherlands with the Order of the Garter, the highest British order.

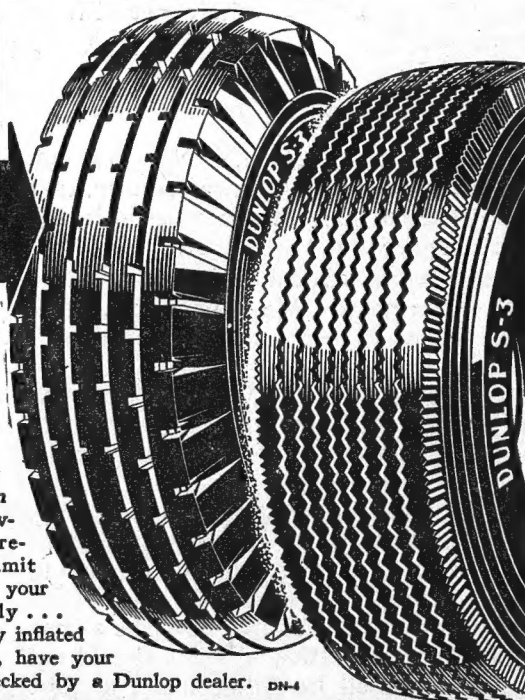
Princess Juliana of the Netherlands has arrived in England from Canada. The plane, a British machine, completed the journey in 16 hours and 17 minutes.

FOR WARTIME SERVICE

DUNLOP
Cable Cord
TIRES

With their famous pre-war tread designs, now obtainable in synthetic rubber for essential wartime service.

• All the best and newest developments in synthetic rubber are incorporated in Dunlop S3 Cable Cord Tires. But remember, tires will not be plentiful in 1944. So keep driving inside the prescribed speed limit... cross-switch your tires occasionally... keep them properly inflated... and, above all, have your tires regularly checked by a Dunlop dealer. DN-4



DUNLOP-CANADA
Makers of "THE WORLD'S FINEST TIRES"



Turkeys for Christmas

DURING the Christmas season, attention turns to turkeys—the bird associated by tradition with that holiday.

There is no fixed ceiling on sales of dressed turkeys by farmers to packers or shippers although in practice these prices are determined by wholesale ceilings.

If, however, a farmer sells at wholesale to a retailer, he must observe the wholesale ceilings set by the Wartime Prices and Trade Board foods administration. These prices vary according to the grade of the bird, the district in which the sale is made and the season of the year. For example, during the month of October a Grade A young hen or young tom turkey sold at wholesale in Ontario or Quebec, either box-packed or loose-packed, is 42½ cents per pound. In Manitoba and Alberta the comparable wholesale price is 39¼ cents, and in Saskatchewan, 39½ cents. Old hen turkeys have a wholesale ceiling price three cents per pound lower than that for the young birds, with another cent reduction for old toms. These prices normally include delivery charges.

If a farmer sells direct to a consumer, he may add not more than seven cents per pound to the wholesale ceiling price.

If the poultry is not graded according to the regulations laid down under the Livestock and Livestock Products Act, 1939, the price charged must not exceed the ceiling price for Grade B birds in that zone.

Prices in effect this year represent a slight change from those of last season, with the adjustment designed to ensure better distribution and to prevent a repetition of the situation last year when there were excessive supplies on the Vancouver market while Eastern Canadian cities had a shortage.

The question of cranberries is, naturally, one which crops up with any discussion of turkey. Fresh cranberries are not and never have been rationed, and cranberry sauce was taken off the ration for a time during

the summer so that far-seeing shoppers could have laid in a supply. Cranberry sauce is now rationed on the basis of one preserves coupon good for the purchase of twelve ounces—the same coupon value as for jam and jelly.

...

Stronger Egg Shells

A CALL has gone to Canadian agricultural scientists to help the poultry industry in obtaining greater strength in the shells of eggs. There are two special reasons for this: the loss to the industry generally through breakage of shells in transport and handling during the past year has been excessive, and Canadian eggs for export in the shell require strong shells.

Poultry authorities point out that the loss is not alone in the actual breakage, but in the smearing of the unbroken eggs. Shortage of help, inexperienced help, and more volume of business than can be properly serviced are all contributory causes. To prevent the breakage, there are two methods of approach—greater care in handling, and a tighter-textured, stonger shell. The latter may be solved by research work.—Farm News.

...

Exports of Poultry

INCREASED demand for Canadian poultry and the encouraging reports on quality from the United States, has developed the largest export business in this product during the present year that Canada has yet seen. Up to the end of August some 12,143,000 pounds of dressed and live poultry had been exported, of which more than 2 million pounds went to Britain, and 7 millions to the United States under arrangement by the special products board. The balance of 3 millions were sold by private dealers to private buyers in the States. The price received for all this poultry was the Canadian ceiling price at wholesale, plus ¼ cent a pound for poultry shipped in wired boxes.



YOU'RE TEACHING HIM TO FARM— MAKE SURE HE'LL HAVE A FARM

YOU'RE teaching your son about seeding and harvesting and caring for stock. You hope he'll be able to take over your farm some day. Have you ever considered the importance of life insurance in guaranteeing that he will receive a debt-free farm? Or how easily you may arrange for the other members of your family to receive a cash inheritance?

Life insurance provides the kind of protection that only many years of ordinary saving could equal. For instance, your policy can be planned to provide a steady income for you when you retire, and it can guarantee that if something happens to you before your son is fully grown, there will be sufficient cash to carry on until he can take over the farm.

Life insurance companies are much alike as to policies and rates, but actual long-term results vary widely. We invite you to compare The

Mutual Life of Canada's record with that of any other company. Evidence of the satisfaction of Mutual Life policyholders is furnished by the fact that whole families and succeeding generations have entrusted their life insurance programs exclusively to The Mutual Life, and each year approximately 35% of the new business comes from our policyholders.

Have a Mutual Life representative explain the special features of this Company . . . and let him help you select a policy adapted to your particular circumstances.

Because of gasoline rationing, your Mutual Life representative's travelling is limited these days . . . to be sure of a visit, call or write your nearest Mutual Life of Canada office today. And write for a free copy of The Mutual Life's special farm booklet, "What Life Insurance can do for the Canadian Farmer."

Make this Your Company by Becoming a Policyholder

**THE
MUTUAL LIFE
OF CANADA**

Established 1869

Head Office—Waterloo, Ont.

PROTECTING OVER 180,000 CANADIAN FAMILIES

1869 • 75th YEAR • 1944



YOU'RE DOING A FINE JOB MISTER!

The amazing job which Western Farmers have done in increasing production in spite of the acute labor shortage and implement tie-up will be recorded in history as one of Canada's greatest contributions to victory.

... and of course you'll be buying

VICTORY BONDS

AN ACKNOWLEDGMENT BY

BREWING INDUSTRY OF ALBERTA

Quote & Unquote

"There is a great change coming, bound to come. The whole money arrangement will undergo a change; what, I don't know. The whole industrial system will undergo a change. Work will be different. The owning of property will be different. Class will be different, and human relations will be modified and perhaps simplified. If we are intelligent, alert and undaunted, then life will be much better, more generous, more spontaneous, more vital, less basically materialistic. If we fall into a state of funk, impotence and persecution, then things will be very much worse than they are now. It is up to us. We men must be men. While men are courageous and willing to change, nothing terrible can happen.—Jack Hilton, English Co-operator, in his book, "English Ways."

Jeeps Unsuitable

SWORDS may be beaten into ploughshares but few military vehicles can be converted to farm use, states the National Committee on Agricultural Engineering, which recently met in Ottawa at the invitation of the Dominion Department of Agriculture.

E. A. Hardy and R. P. Frey, of the University of Saskatchewan, Saskatoon, said that recent experiments they have conducted with the jeep reveal that the transmission of this vehicle will not stand up if burdened with more than a four-horse load. While the jeep's drawbar pull varies with load and terrain, it is not likely to replace that of the tractor. The jeep's speed is too fast for farm work and even when throttled has not sufficient power. Also unsatisfactory is its transmission which like that of most war vehicles is designed for military use and not to run continuously in low gear, they said.

A theory that tanks might be used as bull-dozers was exploded at the meeting when agricultural engineers agreed that tanks are designed to carry their own load only and not to do bull-dozer work. Nor has the universal carrier any possibility for adaptation as a tractor, as some people had believed.

One agricultural engineer pointed to the danger of being unable to obtain repair parts for military vehicles. He said that at present, manufacturing companies own neither military vehicles nor their parts which, on manufacture, become government property.

The committee agreed, however, that military trucks of the standard two-wheel drive design, all types of trailers, component parts and spare wheels in good condition would be of great value to agriculture.



BUY VICTORY BONDS BY MAIL

- The farmer can buy Victory Bonds by mail, simply by writing a letter to any branch of the Bank as follows:

Dear Sir:

*I enclose application to purchase \$ (par value) of
3% Seventh Victory Loan Bonds to which is attached cheque
for an initial payment of 10%.*

I promise to pay you the balance of the purchase price, plus accrued interest at 3% per annum, within six months from this date, and sending it to the Bank through his nearest Post Office or rural mail box.

Buy Victory Bonds to the Limit!

THE CANADIAN BANK OF COMMERCE

Buy More Victory Bonds!

FOR SALE



A small number of pure-blood Persian Lamb Fur-producing Sheep for sale by owner of the original flock imported from Bokara Russia.

Price, \$60.00 a pair.

Write for further information.

O. H. PATRICK,

807 Lancaster Bldg., Calgary, Alberta

Farm Electrification In Alberta

3—Line Construction Costs and Probable Users Per Mile

By PROFESSOR ANDREW STEWART

The following article is the third of a series on the subject of farm electrification in Alberta, written especially for the Farm and Ranch Review by Professor Stewart, Department of Economics, University of Alberta. The author, in recent months, has been engaged in a survey of rural electrification in behalf of the Research Council of Alberta.

THE capital charges on investment in farm distribution lines, that is, interest and depreciation, account for a substantial part of the total cost of supplying energy over these lines. In order to keep down the costs per farm it is therefore desirable that the investment costs per farm should be as low as is consistent with safe, reliable, and adequate service. The cost of construction per farm depends on the cost per mile of line, and on the number of users per mile.

Given the prices of equipment and materials and the wages of labour, the cost of farm line per mile depends on the type of line constructed and the service offered. The type of line which is proposed for farm electrification in Alberta is a 6,900-volt single phase line. The power would be taken off the existing high voltage transmission lines, and stepped down to 6,900 volts. For this purpose a 50 K.V.A. transformer would be used, and it is expected that this would serve about 100 customers. The farm distribution line would carry power out to farms up to 12 miles from the substation on the transmission line. A 1½ or a 3 K.V.A. transformer would have to be installed at each farm to deliver electricity at 115-230 volts to the user.

This type of line is similar to that in use in the Rural Electrification Administration systems in the United States, and in the rural lines of the Hydro Electric Power Commission of Ontario. It is the type of line being constructed by the companies in the test systems they are building in Alberta this year. The line is designed for low cost. Motor sizes on farms would have to be limited to 3 h.p., but this would be sufficient for all the common uses on the farm with the exception of crushing grain with a large crusher. More elaborate service to meet the power requirements of this operation could be provided only at considerably increased cost; and, while the convenience of a large electric motor for crushing is undoubted, it would be questionable policy to install a motor with capacity greatly in excess of what is normally required, for this one operation. A small grain crusher is in use on Ontario farms, and tests are being made at the Olds School of Agriculture this summer.

The cost of materials going into the construction of farm lines can be illustrated from estimates prepared for an area in the Stettler district. This estimate is based on 19.8 miles of road line and 0.9 miles of farm service run off. Poles and attachments on road lines would cost \$165 per mile, and conductor (wire), \$113 per mile. Poles, wire and other materials on the service run off would cost \$1,073 per mile. The total cost of materials on 20.7 miles of road line and run off would be \$6,588, or \$318 per mile. These figures do not include labour, trucking and other costs. Additional material would include the substation on the main line (\$805), and the transformers at the farm (\$111 each).

The line costs per farm (but not the additional service costs per farm) depend on the number of users per mile. This in turn depends on the density and scatter of farms in the area, and on the proportion of farms connected, that is, the saturation. In order to get some reliable estimate of the probable customers per mile of line in Alberta, township surveys were made in 18 districts covering all of the area within 12 miles of the existing transmission lines. The number of farms per township (including farms within one-half mile from the township boundaries) ranged from 42 in the Castor district to 130 in the Ellerslie district south of Edmonton. As some farms would not be expected to con-

nect to the lines, an effort was made to rate the farms as prospective users of power. The estimated proportions of users (estimated saturation) ranged from 34% in the Mundare district to 79% in Ellerslie. From the location and rating of farms the probable connections were estimated to range from 0.90 connections per mile in Castor to 2.21 connections per mile in the irrigated district around Brooks. The average over all the 18 surveys was 1.35 connections per mile.

Using the estimates of construction costs per mile, the probable connections per mile, and the additional farm service costs, the estimated cost of construction per farm ranged from \$455 in the Brooks district to \$759 in the Castor district. The average cost over all districts was close to \$600 per farm, with a saturation of 54% and with 1.35 farms per mile of line and tap-off. This estimate covers all construction costs involved in taking power up to the meter at the farm buildings. The farmer would have to wire his own buildings and purchase his appliances. An average figure for wiring buildings might be \$150, and the cost of appliances might at first average around \$300 per farm.

While there is considerable difference between districts, the probable users per mile in Alberta is generally low. This is one of the principal difficulties in providing central electric station power to Alberta farms. The rural lines of the Ontario Hydro Commission serve 3.0 hamlet and 3.5 farm customers per mile, and the Commission will not make extensions unless 3 or more users per mile are available. In typical districts in Quebec and New Brunswick the number of users per mile is around 6. In Nova Scotia assistance is given only where the equivalent of 3 domestic users per mile can be obtained. These provinces, with British Columbia where the number of users per mile is also high, are the provinces with substantial proportions of farms electrified.

While the average number of users per mile in Alberta is relatively low, there are many districts in which the density of farms is sufficiently high to keep down overhead costs to a reasonable level, provided most of the farms in the district were connected to the lines. The proportion of farms which might be connected depends largely on farm incomes; and so it appears that any considerable extension of farm electrification by central station power is dependent on stability of farm incomes, at a level which will enable farmers to wire their buildings, install electrical equipment and appliances, and pay their monthly bills. The rates and monthly bills which might be necessary if all costs had to be met out of revenues will be discussed in the next article.

Probably the most effective way of reducing construction costs per farm, and therefore capital charges per farm, would be to increase the proportion of

Construction costs could also be reduced if materials were available at lower prices. The prices used in estimating construction costs were those prevailing in Calgary in 1943. Prices of electrical materials in the United States are significantly below those of materials offered by Canadian manufacturers. Free entry of materials produced in the United States would also tend to reduce farm line construction costs in Alberta. Canadian prices might be lower at a time when construction could be undertaken; and if a general scheme were planned some savings might be expected through bulk purchases contracted for over the period of construction.

farms connected to the lines. For example, it has been estimated that, in the surveyed areas, if all the farms within one-half mile of the line could be connected, this would raise the saturation to 71% and reduce construction costs by nearly \$60 per farm.

A second possible means of reducing costs would be to have the farmers assist in the construction work. While

(Continued on page 14)

The Star Performer

COCKSHUTT

TILLER COMBINE

COCKSHUTT FARM EQUIPMENT

LABOR SAVER, MONEY MAKER

THE BEST VALUE FOR YOUR RATION PERMIT

Yes, Mr. Farmer, for the best performance, under all soil conditions, thousands of you, through your purchases, have voted Cockshutt Tiller Combines the star of the field. And there are many reasons for this deserving preference and popularity for Cockshutt's 4-DUTY implement that plows, discs, seeds and barrows.

CONSIDER THESE BETTER FARMING FEATURES OF THE POPULAR No. 33 MODEL

- ★ Fully enclosed oil bath clutch assembly. Longer life :: smoother running.
- ★ Superior end thrust ball bearings throughout the disc gang contribute to the remarkable light draft.
- ★ Larger and wider reversible wheels mean less weight per square inch of rim surface.
- ★ Discs cut all weeds and leave seeds on top to perish! The famous seeding attachment for 'Once Over All Over' tillage gives efficient broadcast seeding . . . produces bigger crops.

FOR BETTER FARMING . . . more bountiful crops . . . bigger profits . . . the best 'Once Over All Over' implements are made by Cockshutt. And there's a size for every need! Ask your Authorized Cockshutt dealer about Tiller Combines today!

IMPORTANT: Sale of farm implements is still limited by Government rationing. If you can keep your present equipment in operation by prompt repairs and replacement by Genuine Cockshutt Parts, by all means do so. If, however, your need is urgent, make an application through your Authorized Cockshutt Dealer, for a permit to buy. Use the services of your Authorized Cockshutt Dealer for either repairs or purchase of new machines. He is ready to serve you in every way possible.

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PLOW COMPANY LIMITED

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WINNIPEG REGINA CALGARY
SASKATOON EDMONTON

QUIZ CORNER

FOR THE READERS OF FARM AND RANCH REVIEW

HERE'S another group of interesting questions for you to ponder over some evening when you're relaxing in your armchair. Ask your family and friends, too, and see if they come as close as you did to the correct answers. You'll find the answers at the base of this column.



COCHIN
POLAND?



1. How old does an oak tree have to be before it bears acorns?
(Submitted by Mrs. C. Edgar, Macleod, Alta.)

2. How many acres of soybeans were sown in Canada in 1943?
(Submitted by Frank Holubowich, Warfite, Alberta.)

3. To what type of livestock do these names refer—Poland China and Cochon China?
(Submitted by Mrs. Gertrude Colborne, Winchester, Ontario.)

4. What is Canada's second most important commercial fruit crop?
(Submitted by Mrs. Annie Cousins, Snowden, Sask.)

5. How many pounds of Canadian cheese were shipped to the United Kingdom during the fiscal year ending last March 31st?
(Submitted by Mrs. Margaret McKenna, Milford, Ontario.)

6. When was the first organized agricultural fair in Canada held?
(Submitted by Robert E. Morris, Armstrongs Corner, New Brunswick.)

7. What is the name of the half-hour program heard over 35 stations early Friday mornings—sponsored by the makers of "Eveready" Batteries?
(Cheques have been mailed to the six winners listed above.)

\$2 for YOUR question

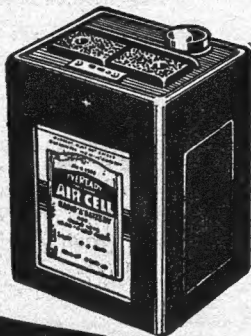
Send us one question (with answer) which you think would interest other readers of this paper. We will pay \$2 for each question (with answer) that we publish. Address your letter to Canadian National Carbon Company, Limited, 809 Davenport Road, Toronto 4. All submissions will be the property of the Company.

WHICH RADIO 'A' BATTERY IS POPULAR FROM COAST TO COAST?

Most owners of battery-operated radios know the answer to this question—the "Eveready" "Air Cell" Battery.

Introduced twelve years ago, it was an immediate sensation. Here was an 'A' Battery of completely different design—it breathed oxygen. And it required no recharging. It was the 'A' battery folks had been seeking.

Year by year, more and more radio owners have proved the extra power and the longer life of this unique 'A' battery. The model illustrated—the A-1300—is perfect for all 4 or 5 tube 1:4 volt battery radios. It will serve you well for at least 1200 playing hours.



EVEREADY

TRADE-MARK

RADIO BATTERIES

HERE ARE THE ANSWERS:

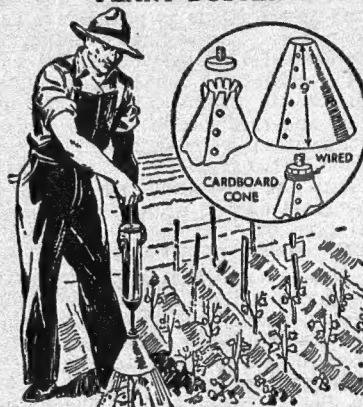
(The first six questions and answers were submitted by our readers and checked by well-known farm editors.)

1. Twenty years old.
 2. 95,550 acres.
 3. Pigs, chickens.
 4. Peaches, valued at \$2,499,000; followed by strawberries.
 5. At Windsor, Nova Scotia.
 6. In 1765, 179 years ago.
 7. The Daily Birds.
- RBF444

Handy Devices

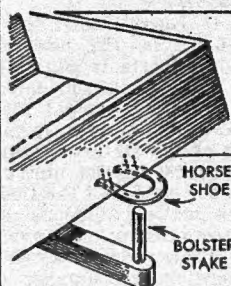
By Courtesy Popular Mechanics Magazine

PLANT DUSTER



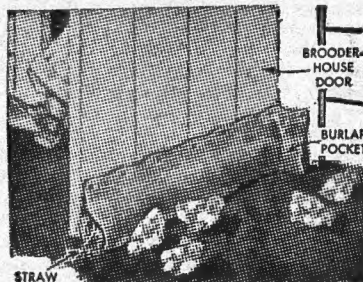
TO assure better coverage of plants and to avoid waste of dusting materials, one farmer fitted a paper cone to the nozzle of his dusting gun as shown. The cone must be large enough to fit part way down over the plant so that the dust is confined and not permitted to spread in the wind.

BOLSTER CLEATS



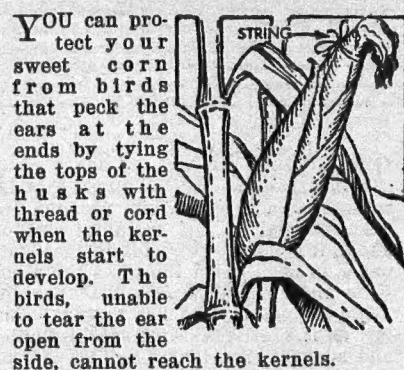
CLEATS nailed across the bottom of a farm-wagon box to keep it from sliding back and forth on the bolsters of the running gear often are unsatisfactory because they rot quickly or because they allow the box to bounce out of position when driving over rough ground. To avoid this, one farmer uses horseshoes, which are nailed to the underline of the box so that they project to slip over the bolster stakes as indicated.

PROTECT SMALL CHICKS



TO keep chicks in his brooder-house from being injured under the edge of the door when it was opened, one poultryman tacked a folded piece of burlap to the bottom edge of the door and filled it with straw to provide a cushion. When the door is opened, the cushion brushes the chicks harmlessly out of the way.

PROTECTING CORN



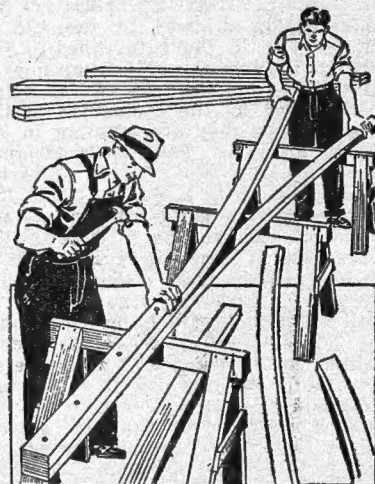
YOU can protect your sweet corn from birds that peck the ears at the ends by tying the tops of the husks with thread or cord when the kernels start to develop. The birds, unable to tear the ear open from the side, cannot reach the kernels.

CLEANING OILCAN SPOUT



IF the spout of an oil can used around a piece of machinery is clogged frequently by grease and dirt and there isn't a wire handy for cleaning it, just wrap a short piece of wire around the spout as indicated. In this position, the wire will always be at hand and will not interfere with use of the can.

SALVAGING WARPED STUDS



BADLY warped studs and other small timbers often can be salvaged by nailing two of the warped ones together and using them where double studs are required. Place the warped pieces one on top of the other with the concave surfaces facing opposite directions. Then, drive a large nail at one end and have a second worker spring the warped ends together as other nails are driven. In most cases a timber thus formed will remain fairly straight.

WIN A PONY FREE



SAVE the new series of colorful Indian Stamps given away in every package and sack of Sunny Boy Cereal. Four ponies will be given away to the first four boys or girls who correctly complete their Indian Stamp Map. Send in this coupon today and get your free Indian Stamp Map.

SUNNY BOY, CALGARY, ALBERTA.

Please send me FREE an Indian Stamp Map.

NAME _____ AGE _____
P.O. ADDRESS _____
TOWN _____ PROV. _____

Listen to "INDIAN TRAILS" over your local radio station

In Fact and Fable The Cow Renowned

By B. LESLIE EMSLIE

CATTLE occupy a prominent place in history and legend. Long ago in Europe the cow was a standard medium of exchange, and the medieval squire would barter so many cows for a new suit of armour, or a few less perhaps for a fair dame. Our improved cattle of today present individuals far more worthy of the homage the Hindu still pays to the cow which to him is a sacred animal. The early Egyptians worshipped as a god Apis, the sacred bull of Memphis, who was provided with a palatial dwelling and beautiful surroundings for his recreation. Egypt celebrated his birthday, mourned him when he died, and then proceeded to get another bull, just as we can the old herd sire and replace him with younger blood.

The sum of \$18,000 paid recently for the Scottish Shorthorn bull, Uppermill Royal, who becomes herd sire at the Ontario Agricultural College, Guelph, would have seemed more than a king's ransom to the ancients; but how the beast would have been venerated! Our esteem for animals springs from more mercenary motives. Enshrined on a pedestal by the highway near Westlock, Ont., is the statue of Springbank Snow Countess who in her lifetime of seventeen years achieved the distinction of the world champion butter-fat producer.

When during the South African war an English poet hailed the warrior sons of Scottish "byres" as proving themselves sons worthy of their sires, he was unaware that a byre is a cow stable in Scotland and not a humble human habitation. Someone remarked at the time that the poet laureate could meet many worthy sons of Scottish byres at the Smithfield livestock show and sale in London.

In Greek mythology there is the story of Cadmus who consulted the oracle at Delphi and was commanded by the god to follow a certain cow and build a city on the spot where she should sink down with fatigue. He followed instructions and the cow, until the latter collapsed according to plan, and built the city of Cadmea which later became Thebes. This tale parallels closely the legend of the founding of Durham cathedral in the year 1093, long before the Durham breed of cattle appeared.

Through careful, scientific breeding and feeding our high-producing cattle of today have been evolved from the nondescript but harder animals of earlier times. The increased production expected and demanded of the modern dairy cow impress an added responsibility in her feeding and care, for she is a creature of refinement in taste and appetite, requiring adequate supplements of protein and minerals.

...

Co-op. Farm Implement

AN investment of approximately \$400,000, the machinery and farm hardware factory operated at Winnipeg for 35 years by the Gregg Manufacturing Co. Limited, of Winnipeg and Minneapolis, was recently taken over by Canadian Co-operative Implements Ltd. This enterprise is being organized by farmers of the three prairie provinces in an attempt to cheapen machinery costs. The three prairie governments have agreed to help in the financing of the Gregg deal, to the extent of \$250,000. This will be in the form of a loan equally divided between the provinces concerned.

IT'S NOT OVER YET!

Victory is in sight, but there is still a long, difficult path to travel before it is achieved. When both Germany and Japan are beaten to unconditional surrender . . . when the men who have fought our battles are safely home and re-established in a new and better civilian life . . . then and then only may we say that Victory is ours.

It is the job of our fighting men to bring the enemy to his knees . . . ours to see he is supplied with the tools of war and the rewards of peace when he returns.

Your money for Victory Bonds was never more urgently needed by your country to win the war . . . to win the peace . . . to make sure of a real Victory—buy Victory Bonds—more than ever before!

THE T. EATON CO. LIMITED
WINNIPEG CANADA

**INVEST IN VICTORY
BUY VICTORY BONDS**

Make sure of
QUALITY . . .
ask for
MINERS'



YOU are looking for value when you buy Rubber Boots. You want real sturdy, reliable quality and dependable craftsmanship. That's why you look for the Miner name, the name that says you have the best boot on the market right in your hands.

Miner Rubber Footwear is made of Government-approved synthetic rubber, skilfully compounded and tested for wearing qualities in the Miner Laboratories. The famous Miner Pressure Cure Process (with our Dual Vacuum Pressure Cure for rubber boots) unifies the assembled parts into virtually one piece construction . . . toughens the rubber to bear heavy punishment.

You'll keep your feet dry, warm and comfortable in Miner Rubber Boots . . . You'll have the kind of value you're looking for.



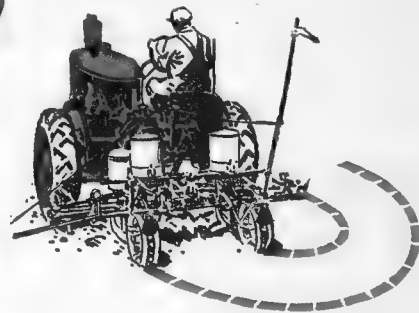
Manufacturers of Rubber and Canvas Footwear, Rubber Clothing and Gloves, Rubber Heels, Soles and Soling, Quarter and Sock Linings, Proofers of Cloth and Wholesalers of Leather Footwear.

**NOW MORE THAN EVER
INVEST IN VICTORY**
Shorten the War — Save Canadian Lives
INVEST IN CANADA'S 7th VICTORY LOAN

FROM EVERY ANGLE



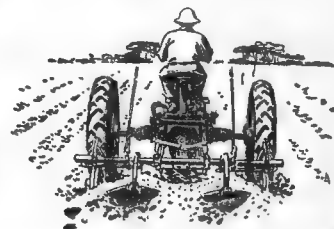
WITHOUT THESE BASIC FEATURES
NO MACHINE QUALIFIES AS
AN ALL-PURPOSE FARM TRACTOR



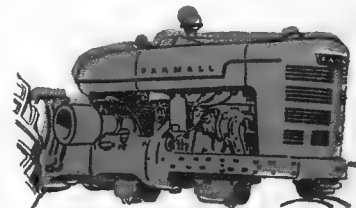
A SHORT TURNING RADIUS is vital for row-crop farming. Farmalls A and B turn in 10 feet. Tricycle design, and individual wheel brakes that enable operator to pivot on either rear wheel, are indispensable features.



AMPLE CROP CLEARANCE is required for cultivating. Farmalls have up to 30 inches vertically and a wide range of rear wheel spacings horizontally. Low pressure tires increase traction and decrease soil packing. On every job the operator has a clear view of the work he is doing.



THERE IS NO SUBSTITUTE for the Farmall's versatility. It is built to operate with the greatest variety of quick-attachable tools ever known. The hydraulic "Lift-All" provides easy implement control.



POWER MUST BE PROPERLY APPLIED for efficient tractor operation. Farmall's correct gear ratios mean low fuel consumption. A governor controls operating speeds. Oil and air cleaners and dirt seals insure long wear. The power take-off and belt pulley complete the Farmall's unbeatable utility as an all-purpose farm power unit.

FARMALLS ARE FIRST

ANY MAN WHO BUYS A TRACTOR buys it for one big reason: *the work the tractor will do.* The quality of work, the volume, and the variety are the real measures of tractor value. Couple these factors with original cost, plus upkeep and operation, and you have the whole story.

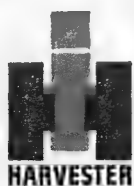
That's the way most farmers figure it out when they make this important investment. *The answer has turned out to be a Farmall tractor more times than all other makes combined.*

That doesn't happen by chance. It happens because these famous red tractors are designed and built to do more work, better work, and a bigger variety of work

per dollar of cost than anything else on wheels.

At the right are a few basic reasons behind Farmall tractor performance. The McCormick-Deering dealer will be glad to demonstrate how Farmalls, with their complete line of related tools and machines, make up the most efficient system of power farming in existence. . . . Those are the big things to remember when you plan the purchase of farm power equipment.

Subject to wartime requirements, and with all possible manufacturing speed, THE FARMALLS ARE COMING!



INTERNATIONAL HARVESTER COMPANY
HAMILTON of Canada, Ltd. ONTARIO

THE TOP TRACTORS FOR ALL FARMS

Breeders' Notes

RED POLL MEETING

The Annual Meeting of the Canadian Red Poll Association will be held in the King Edward Hotel, Brandon, Man., on Wednesday, November 22nd, 1944.

Holstein Scores

VIOLET Blossom DeKol, a member of the pure-bred Holstein herd of Stephen Grad, Balgonie, Sask., has been officially classified as Excellent by the Holstein-Friesian Association of Canada. She was the only one amongst the 27 Saskatchewan cows graded by A. V. Langton, Holstein Director of Extension Service, on a recent trip through the province, to be classed as Excellent.

Carlyle Sells Out

A **SATISFACTORY** average of \$160 was secured at the dispersal sale of the Holstein herd of S. G. Carlyle, South Edmonton, held recently. The total of thirty head sold included

seven grades and three young bulls, several of the animals being consigned by A. J. Davidson, Edmonton, at whose farm the sale took place.

Top price was \$240 for a five-year-old cow. A two-year-old brought \$230 and a yearling bull, \$235. The latter was Beverley Marma Ormsby, a very well-bred individual that was bought by Fred Huff, Edmonton.

Herd Is Sold

A **TOTAL** of \$4,000 was realized on the sale of 27 head of pure-bred Holsteins, mostly calves and yearlings, when the pure-bred Holstein herd of M. S. Erb, South Edmonton, was sold at auction. The 12 milking cows averaged \$208.

Farm Machinery Exhibits

THE farm machinery exhibit, so long a feature of rural exhibitions, has come back to its own again after being banned for two years under wartime restrictions. The Wartime Prices Board has lifted the ban put into effect in May, 1942.

W. S. Benson



SERVING the "Wool Grower" since 1930, W. S. Benson has recently been named Western Manager for that Organization with headquarters at Lethbridge, Alberta. The territory coming under his supervision will consist of B.C., Alberta and Southern Saskatchewan from which large area sheep-owners contribute approximately 3,000,000 pounds of wool each season to the Canadian Co-operative Wool Growers and its Affiliated Associations.

"Bill", as he is familiarly known, is particularly well qualified to advise Western sheepmen on the handling of their wool as well as many other sheep and wool raising problems. He was born in England, raised in Saskatchewan and graduated from the College of Agriculture at Saskatoon. Following graduation, Bill spent considerable time on field work amongst the Southern Saskatchewan sheepmen and for 3½ years he was associated with the Agricultural Branch of the Canadian National Railway in London, Eng.

Tribute to W. D. Albright

THROUGHOUT Western Canada, W. D. Albright is known as the author of "Timely Hints from the Beaverlodge Station". In the Peace River Block, he is known as a pioneer, a good farmer, superintendent of the experimental station, a wonderful host and a wise counselor.

Few, if any, men in the Dominion Experimental Farms Branch have worked as hard as has Mr. Albright, and none has reaped a greater reward. The Beaverlodge Station has grown out of Mr. Albright's homestead, and its influence is apparent throughout "the Peace". His interest in the discoveries of agricultural science has never flagged and he has devoted his life transforming these discoveries into more successful farm production and more attractive farm homes.

Few men become great, because greatness can only be born from the union of talents and hard work. Mr. Albright has not "buried his talent". Farmers and professional agriculturists alike owe him a great debt.

As a result of hard work—perhaps too hard—Mr. Albright is obliged to rest for a period of three months. His many admiring readers, will readily forego the pleasure of reading "Timely Hints" for a time, provided we can look forward to an early re-appearance. We all gladly join in wishing him many more years of good health and of service to Canadian agriculture.

OUR VAULTS

for Your War Securities

Do not take the risk of having your war securities misplaced, stolen or burned:

VICTORY BONDS—For 10¢ per \$100 per annum—minimum charge 25¢—we will keep your bonds in our vaults, clip the coupons and credit the amounts to your savings account.

Borrow, if necessary on your Victory Bonds as security, rather than sell them. We will make you a loan to protect your investment.

WAR SAVINGS CERTIFICATES—You can place your certificates in our vaults until they mature. Charge for the full 7½ years: 10¢ for a \$5 certificate, up to \$1 for a \$500 certificate.

BANK OF MONTREAL

Up-to-date Banking for Industry and Workers

A 230

These dimes work their heads off



No DOUBT you've seen dimes worn so thin that you can't see the heads on them.

That's what happens when money is really passed around.

That's what happens every year to at least two and a half billion dimes that are put into circulation through the life insurance companies. These dimes really go to work.

They come in the form of premium payments from four million policyholders and if you prefer figuring in folding money, they amount to 250 million dollars.

In peacetime these dimes are not idle. They are kept busy through investment in a great variety of local and national undertakings. For the past five years they have been busy in a strictly military sense—backing up our fighting men with more than a billion dollars' worth of Victory Bonds.

These busy dimes are helping to buy security for you and yours—both in the present and in the future—both at home and abroad.

It is good citizenship to own LIFE INSURANCE

A Message from the Life Insurance Companies in Canada

LF-444

In **1** minute an engine turns over **2050 TIMES***
*The engine of an average car travelling at 40 m.p.h.
THE RIGHT LUBRICANT IN THE RIGHT QUANTITY
AT THE RIGHT MILEAGE WILL PREVENT COSTLY REPAIRS

That's why
"KNOW-HOW"
LUBRICATION
is so essential!

Obtain a free copy of the "Automobile User's Guide"—a booklet which will prove a valuable aid in maintaining the efficiency of your car or truck—by writing to a General Motors dealer in your Community.

See a

GENERAL MOTORS DEALER

at least every 60 days!

THE average car or truck needs to be lubricated at 35 points, and at least 7 different types of quality lubricant are required. General Motors dealers' servicemen *know how* to lubricate your car or truck properly—they follow the recommendations supplied directly to them by the factory engineers who designed the vehicle. "KNOW-HOW" lubrication service from a General Motors dealer is your assurance that your car or truck has been lubricated with the *right lubricants in the right quantity at the right mileage*—it will prevent costly repairs and extend the life of your vehicle.

This information is made available to you, the owners of Canada's cars and trucks, to assist you to extend the life of your car or truck, and so safeguard against a breakdown of the country's automotive transportation up to and even beyond the day of Victory!

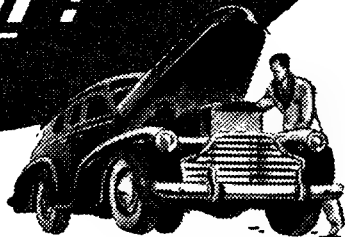
ALWAYS GO TO A GENERAL MOTORS DEALER FOR

Conservation Service

ON ALL MAKES OF CARS AND TRUCKS

CHEVROLET • PONTIAC • OLDSMOBILE • McLAUGHLIN-BUICK • CADILLAC • CHEVROLET & GMC TRUCKS

F44-GM6X



**GM
DEALERS' SERVICE**
will help you to:

- Avoid Engine Failure by:** Cleaning engine oil pan — valve operating mechanism . . . Checking oil pressure and testing compression.
- Save Gasoline and Oil by:** Engine tune-up including carburetor, battery and electrical system.
- Stretch your Tire Mileage by:** Maintaining proper tire pressure . . . Tire rotation every 3,000 to 5,000 miles . . . Regular inspection of wheel alignment and balance — brakes and shock absorbers.
- Prevent Deterioration of Body and Fenders by:** Repairing and refinishing damaged or chipped surfaces . . . Washing body as required to preserve the finish and to keep drain holes open as a protection against costly rust damage.
- Extend the Life of your Car or Truck by:** Regular lubrication (at least every 60 days) . . . Minor inspection and adjustment (every 1,000 miles).

Conserve the Soil

ON Alberta fields there is, on the average, only four to six inches of top soil. This layer is the portion of the soil which produces plant food in an available form through the action of the soil bacteria. Each inch of top soil washed away means the loss of sufficient plant food to produce twenty to thirty average crops of wheat.

Many fields in the spring are covered with small gullies caused by spring run-off. This represents a tremendous loss of top soil—soil that has been built up over the centuries. The upper layer of the soil contains the absorbing material, and when it goes run-off is increased. Increased run-off means increased erosion, and so on in a vicious circle.

All fields should go into winter protected by a trash cover and a ridged, lumpy surface if at all possible, says H. J. Mather, Supervisor of Soil Conservation. Where fields have been plowed, the surface should at least be roughened as a protection against erosion, and as an aid to moisture absorption. The duckfoot cultivator is one of the best implements to use in the last operation. Cultivating with a duckfoot across the slope of the field will give added protection.

• • •

RAILWAY ROMANCE

(Continued from page 3)

ers came through just recently in seven special trains. Here in the country there are no station police to keep the people away, and we saunter up and down the platform at will, examining them and marvelling at the vast scope of this armageddon which plucks 3,000 Germans from the field of battle in Europe and dumps them down on our door step within a few weeks of capture. As they return our gaze we wonder what they think of this vast country through which they have been travelling for days following a safe voyage across an Atlantic Ocean which their Fuehrer was supposed to have swept of Allied ships. We still retain very vivid recollections of that standard but uncomfortable mode of travel for European soldiery known as Quarant Hommes or Huit Chevaux and we wonder what they think of our decadent Canadian democracy which can supply comfortable sleeping cars and diners for its prisoners and still maintain normal railway service. Out on our peaceful prairie they look happy enough, but lonesome. The smile on their face fades before our stony stare, for how else could we greet them. We cannot feel sorry for them how ever much we try.

One event in our little prairie town which made railway history we will never forget. That was in 1939 when our beloved King and Queen came through. The train slowed up as it went past, and they were out on the observation car, and they waved to us—and we waved to them. And we felt a catch in our throat, and we could not cheer. But we felt mighty grateful to our friend and ally, the railway, that day for it brought our King and Queen right to our door. One day in the not too distant future we expect it will bring us their daughter, Princess Elizabeth.

Not long ago our young, six-year-old boy went to the city to visit his Aunt, and when he returned I said to him, "Well, son, how did you enjoy your visit?" He replied, "Okay. Only Daddy, there were no Hoop trains."

That is why I, too, would feel lost in the city—there are no Hoop trains.

• • •

FARM ELECTRIFICATION

(Continued from page 9)

this procedure has been adopted in some of the Rural Electrification Administration systems in the United States, it has been found to have limitations in reducing costs. In the first place, much of the work requires special skill and must be done by trained men. Secondly, where farmers give their time to assisting in line building they may expect to be credited with the time spent on the job. This is generally done in the "self-help" systems of the R. E. A.

LIVE STOCK

Iron for Young Pigs

A COMMON cause of death among suckling pigs, and particularly those that are raised under more or less artificial conditions, is nutritional anaemia. Pigs farrowed in late fall and winter, closely confined to comparatively small pens with a board or concrete floor, and receiving no minerals apart from those contained in the mother's milk, become anaemic and the mortality among them is high. This condition is not seen to any extent in pigs which are born during the spring and summer months, when they are out in the sunshine and have free access to suitable soil and vegetation.

Anaemia in pigs is due to a lack of red corpuscles in the blood which is traceable to a deficiency of iron in the milk supplied by the nursing sow. An excellent way to supply iron to pigs raised in pens is to cut sods in the fall from uncontaminated soil and supply one square foot of sod daily to each sow and her litter during the winter. The iron which the young pigs secure in this way helps to make good the iron deficiency in the sow's milk and thus tends to prevent anaemia. Sods should be cut and stored early so that a plentiful supply may be on hand before winter begins.

Wintering Cattle

AS a principle it is sound practice to develop the breeding herd during the summer months and to a reasonable extent supply them with a maintenance ration throughout the winter. It appears that the fall months between the fly period and freeze up is the natural time for cattle to lay on extra flesh as a reserve to carry them through the winter. In view of this and the fact that gains are made much more cheaply grazing than when fed in the barn, care should be taken to see that the herd has ample nutritious grazing during this period as well as throughout the summer. In many instances farmers are in a position to turn the herd onto stubble land immediately after threshing where there is often sufficient nutritious food to carry the herd until freeze up.

Care of course should be taken to see that they are not left to rustle unduly late in the fall. For in this way the animals may quickly lose the reserve flesh and stamina that has been built up. When this happens, the herd will require particularly good care and expensive feed if losses are to be avoided before spring arrives.

Direct sunshine is an inexpensive method of supplying vitamin D to livestock, but winter days are short in North-eastern Saskatchewan and the rays of the sun are not so effective during winter months. Accordingly cattle should be outside during every

sunny day preferably in a place where they will be sheltered from the wind.

Most, if not all cattle in Western Canada, are lousy and as winter advances these pests multiply rapidly and become a source of great irritation to the animals. Biting lice chew off the hair with the result that very often by Christmas, bare patches begin to appear on the animal. The lice can be kept fairly well under control by sprinkling a good louse powder along the back around the neck and from the tail head down over the rear of the udder once a week. There are various effective powders on the market, but one containing Derris is best against both sucking and biting lice. Other suggestions are as follows: 1. See that the cattle have access to iodized salt daily; 2. Use a tank heater to take the chill off the water; 3. Feed plenty of bran to pregnant cows prior to calving.

Profit From Sheep

THE feed required to keep one cow is sufficient for a half dozen sheep. For a considerable part of the year sheep require no grain. The returns for wool come at midsummer when there are often few sources of revenue. The wool returns usually cover the cost of feed for the year, leaving the lamb crop to cover the cost of labour, fencing and other incidentals. Under normal conditions, a reasonable profit is received, says E. Van Nice, Dominion Experimental Station, Scott, Sask.

In wartime, a great profit can be expected. Lambs develop during the summer when feed costs are lowest and can often be sold to advantage in the fall without grain feeding. Tests at the Scott Station indicate that lambs weaned on rape pasture do fully as well as when grain fed. Only the breeding flock need to be carried through the winter and an inexpensive shelter is adequate, such as an open shed with plenty of ventilation. Closed buildings are not satisfactory for sheep.

Aside from shearing and lambing time, sheep require very little labour in proportion to other kinds of live stock. They are particularly valuable in weed control as they readily eat most kinds of weeds and no weed seeds will grow after passing through the digestive system of a sheep.

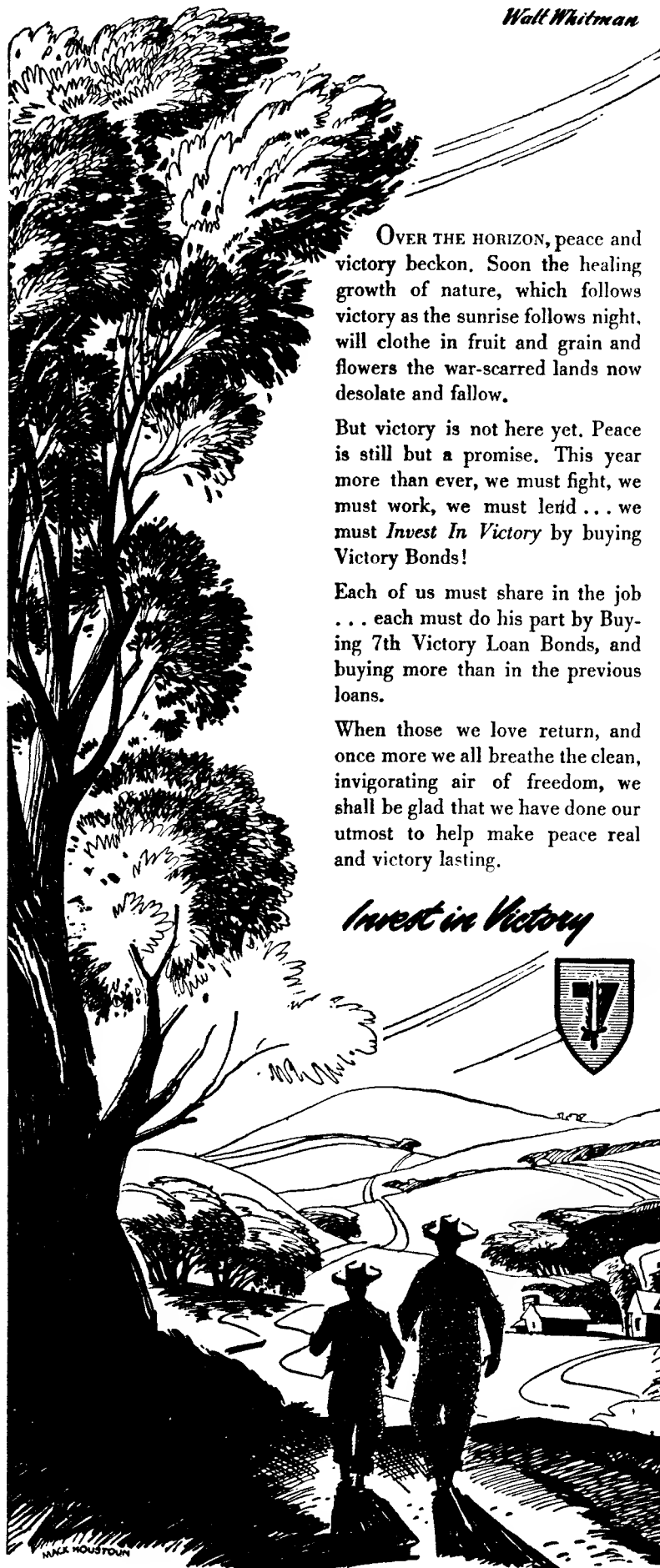
An important factor to success with sheep is the attitude or likes of the attendant. Breeders who like sheep find them able to pay their way and return a profit but the sincere interest of the attendant seems to influence profits more than with other kinds of stock.

MR. FARMER—

IT is estimated that 55 per cent of the total personnel of Canada's armed forces are from rural districts. Support them by Investing in Victory.

"I see the battle-fields of the earth...grass grows upon them and blossoms and corn..."

Walt Whitman



OVER THE HORIZON, peace and victory beckon. Soon the healing growth of nature, which follows victory as the sunrise follows night, will clothe in fruit and grain and flowers the war-scarred lands now desolate and fallow.

But victory is not here yet. Peace is still but a promise. This year more than ever, we must fight, we must work, we must lend... we must *Invest In Victory* by buying Victory Bonds!

Each of us must share in the job... each must do his part by Buying 7th Victory Loan Bonds, and buying more than in the previous loans.

When those we love return, and once more we all breathe the clean, invigorating air of freedom, we shall be glad that we have done our utmost to help make peace real and victory lasting.

Invest in Victory



BUY

**MAPLE LEAF
GASOLINE & OILS**

and your

FARM SUPPLY NEEDS

From Agencies and Branches of

U. F. A. CENTRAL CO-OP.

125 Eleventh Ave. East
CALGARY

MASSEY-HARRIS COMPANY LTD

ESTABLISHED 1847



..Waiting for his Master's return

TODAY, on thousands of Canadian farms the family circle is broken. The young men—and women—are serving their country on land, in the air, on the seas.

In the meantime, farmers, short of help, have carried on valiantly—working long laborious hours to win the Battle of Food Production. Canada can be proud of her primary producers. They have given freely of their sons and their labour. They have loaned their money.

Now, more than ever, it is imperative that we must all back our fighting men with more and more dollars to supply the equipment that is

being expended so rapidly—for without this continuous flow of equipment the valour of men is futile.

Every bond bought now brings the day of family reunion closer.

The 7th Victory Loan is a challenge to every Canadian. More support than ever is needed. And yet—your money that buys Victory Bonds today is a sound investment for tomorrow. The voluntary purchase of bonds provides a personal back-log of security for the future.



Buy Victory Bonds

NATIONAL WAR FINANCE COMMITTEE

MACDONALD'S BRIER

Canada's Standard Smoke

MIRRORS RESILVERED

THE BENNETT GLASS CO. LTD.

M 1778

228 - 7th Avenue East,

CALGARY

Editorials by PRACTICAL FARMERS

IN one of your issues lately you object to the idea of amalgamation of farmer and labour unions such as that proposed by John L. Lewis, labour leader.

You advise the farmers to stick to their own organizations. Well, they have done that for several decades and you see their plight has not been improved, but worse. Farmers are not in a position to strike for better conditions, and never will be, but what they can do

by connecting up with labour unions is to use labour to do their striking for them.

For instance how would you like it to find the whole railroad system in the west some morning tied up temporarily by a strike. On inquiry you would find it was not for any grievance of the railroad workers themselves, but they are doing it for the purpose of getting the farmers, say, \$2.00 a bushel more for their wheat.

You see the farmers would just be using labour for the purpose they cannot perform for themselves. Do you see anything the matter with that?

Never mind about the dues payable into the labour party. When the grain exchange was taking off heavy dues out of the wheat, it was O.K. And don't worry by a big price increase per bushel of wheat brought about by means of a strike through labour as something out of line with the Liverpool market. That Liverpool market, as I see it, always has been just a farce.

All the wheat coming into Britain from the three dominions and Argentina is all tribute goods to the British government to meet yearly interest payments on loans. Just tribute, that's all it is, and the British government itself decides what it will allow us for it.

All countries pay yearly tribute: 3 billion debt to Canada; 2½ billion debt to Argentina, and so on.

If Canada paid off that debt she owes to Britain then Britain would have to buy our wheat and there would be no tribute neither in wheat, lumber or what have you—L. J. Cochrane, Coronation.

★

I AM and have been a small advertiser in your paper and will continue to be one, but this is beside the point, but being an advertiser I get checking copies and I have the opportunity of reading your Editorials and I must say I find them the most interesting and informative on the problems that face the farmer today. They are completely unbiased and spontaneous.

I only wish that your magazine had fifty times as many readers as it has, even though I know it has a lot, and what I suggest is this:

The farmers and ranchers who now subscribe to the FARM AND RANCH REVIEW should show their appreciation by going out and taking some more subscriptions for the paper that is doing what I think is a splendid job for them.

I see no better way to further the good cause than to get these splendid editorials before more readers so more can express their opinions, am I right? —A Subscriber, Carman, Manitoba.

★

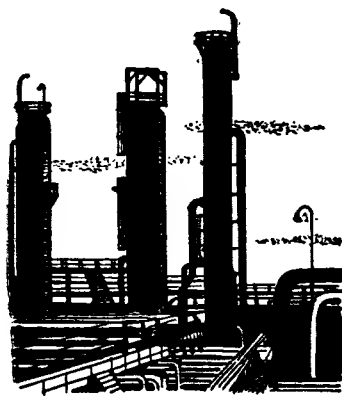
READING the letter on "Sheep Fencing" in the "Editorials by Practical Farmers", September issue, I would advise him to hang small pieces of tin (can lids, etc.) fastened securely to the wire, so the current will follow. The sheep will smell at dangling objects and afterwards keep their distance.

For those who do not heed, take one wire end from a barbed-wire spool, spread it slightly, placing it over the sheep's head, pressing the four corners of the centre on to the skin of the neck, parting the wool so as to make contact. It stops them. Two wires close are better than the one.—R. W. S., Alta.

★ ★

Buy More Victory Bonds!

Why is a Diesel engine like a "cracking" plant?



During the operation of Diesel engines, unburned fuel residues are almost always formed. These residues are the product of cracking. The larger molecules in the fuel are broken down into smaller ones—just as oil is cracked in the commercial production of gasoline.

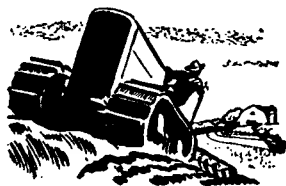
But while cracking is desirable in gasoline manufacture, it is a constant headache in Diesel engines. In Diesels, cracking produces varnishlike bodies that bind soot, dust, and oil residues into a sticky mass called *sludge*. Sludge, in turn, causes stuck rings and blow-by.

The only way this problem can be licked is by using a motor oil that

takes care of these unburned fuel oil residues.

Dieso-Life—made by Union Oil Company—contains a special detergent compound that washes off and removes unburned fuel residues and other impurities. Then it holds these impurities in suspension where they can't precipitate to form sludge. When you drain the oil, all foreign matter flushes out with it and your engine is clean!

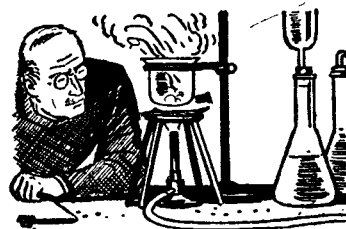
In other words, Dieso-Life cleans as it lubricates—a mighty valuable



quality for an engine oil to possess these days.

Dieso-Life is a tough, stable, full-bodied oil—built to reduce engine

wear and increase the performance and life of your equipment.



So next time you need lubricating oil, get a supply of Dieso-Life from your Union Oil Resident Manager.

And remember—Dieso-Life is but one in a complete line of quality petroleum products made by Union Oil Company

DIESO-LIFE

Another
UNION OIL
Success-Tested Product

UNION OIL COMPANY OF CANADA LIMITED

CANADA'S VETERANS *Their Post-War Opportunities*

This is the first of a series of advertisements to inform the people of Canada of plans to re-establish men and women of the armed forces. To get the full details save and read every advertisement.



For complete information write to the booklet "Back Civil Life."

The Future After Discharge —

A MESSAGE TO RELATIVES OF THOSE IN THE ARMED FORCES

When your boys and your girls come home, when they lay aside the uniform, when they go out into the world as normal peace-loving Canadians, what lies ahead? Can they pick up their lives as civilians, where they laid them down, months or long years ago? Are there plans to help them do the things they wanted to do before the war? Will they have security? Can they continue education, or receive needed training? Will they be assisted in home owning, or to establish their own business, and will they be enabled to pick up their family life once again?

These are questions which concern all those Canadians who have loved ones in the services. They are questions which this series of advertisements is designed to answer.

OPPORTUNITY IS THE OBJECTIVE

Canada has been making plans for your boy's and your girl's return to civilian life since early in 1940. These plans are in effect and operating now. The aim is that every person who has served shall have opportunity. Thousands, already back in civilian life, have benefitted by training, by maintenance grants, by advice of departmental officials, and by the social security provisions. *There is ample help for those men and women who want to help themselves.*

ASSISTANCE ON DISCHARGE

When your boys and girls are discharged from the services, they will be given:

1. A clothing allowance of \$100.00 (if discharged after August 1, 1944).
2. Their pay to date of discharge.
3. One month's additional pay, if they have 183 days' continuous service, as a rehabilitation grant.
4. A railway warrant home or to the place of enlistment.

Dependents will receive:

1. Their normal dependents' allowance to date of discharge, with assigned pay.
2. An additional month's dependents' allowance, with assigned pay, if there has been 183 days' continuous service.

Your boy or girl will be allowed to retain certain items of uniform. They will be given a complete medical and dental examination and will be eligible for free needed treatment for a year after discharge. Those discharged not physically fit, in need of continuing treatment and unable to work, will have their pay and allowances of rank continued for at least a year if necessary and, if the disability is pensionable, for as long as curative treatment is beneficial. All are interviewed by Veterans' Welfare Officers and told of the re-establishment programme.

WAR SERVICE GRATUITY

On discharge, those enlisted to serve outside Canada, or those who served in the Aleutian Islands, are eligible for a war service gratuity. It provides \$7.50 for each thirty days' service in Canada and the Western Hemisphere and \$15.00 for each thirty days' service overseas or in the Aleutian Islands. For those with overseas service or with service in the Aleutian Islands, there is an additional seven days' pay and allowances for each six months of such service. Payments will be made at the end of each month in the months following discharge. Complete details of the war service gratuity will be given in a later advertisement.

RE-ESTABLISHMENT CREDIT

In addition to the war service gratuity, there is a re-establishment credit of \$7.50 for each thirty days' service in the Western Hemisphere and \$15.00 for each thirty days' service overseas. This is for things such as the purchase or repair of a home, the buying of furniture, a business, or government life insurance, and for certain other purposes which will assist your boy or your girl in becoming re-established. This credit, which is reduced by grants given for training or education, or under the Veterans' Land Act, is primarily for those who do not wish assistance under these three plans.

RETURN TO FORMER JOBS

If your boy or girl held a civilian position before enlisting, and was not engaged to replace somebody already in the forces, and if the position still exists, and your boy or girl is capable of filling it, it is the employer's duty, under the law of Canada, to reinstate him or her in that position with seniority. Application for reinstatement must be made to the former employer within three months of discharge from the forces or from hospital.

Veterans' Welfare Officers are stationed in key centres throughout Canada. They are the friends of Ex-Service men and women. It is their duty to advise and assist all Ex-Service personnel with their re-establishment problems. If there is anything about the Rehabilitation programme which you do not understand, consult your nearest Veterans' Welfare Officer.

TRAINING AND EDUCATION

The surest way to permanent employment—the thing your boy or girl will want—is a skill to get and to hold a job. Canada's plans give opportunity to acquire needed skill either at university or in preparation for a business or industrial career. Fees are paid by the state, along with living allowances, while training or continuing education.

WHILE ILL OR UNEMPLOYED

There is protection against illness or unemployment by maintenance allowances which can be drawn against in the first eighteen months after discharge. There is also protection under the Unemployment Insurance Act for those who enter insured employment and remain in it fifteen weeks.

HOME OWNING AND FARMING

There is provision to assist city and other workers to have homes of their own, either on small acreages of land outside the high taxation area, or in town, under the National Housing Act. Full-time farmers can be given financial assistance in full-time farming, while commercial fishermen may secure financial help in getting their own homes, on small acreages of land, and in buying needed fishing equipment.

FREE TREATMENT

In the year following discharge, service men and women are eligible for free treatment, hospitalization and allowances for any condition, even if not the result of service. Pensioners are entitled to this for life for their pensioned disability.

THE POLICY ON PENSIONS

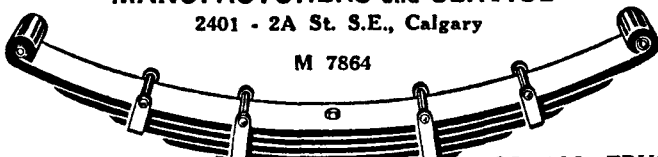
Canada's Pension Act is administered by an independent commission, all former members of the services. Any permanent disability suffered overseas, not a result of misconduct, is pensionable. Where service is in Canada only, the disability must be a result of service.

Published under the authority of Hon. Ian A. MacKenzie, Minister of

PENSIONS AND NATIONAL HEALTH

★ SEND THIS ADVERTISEMENT TO SOME MAN OR WOMAN OVERSEAS.

STANDEN'S LTD.
MANUFACTURERS and SERVICE
2401 - 2A St. S.E., Calgary
M 7864



HELPER SPRINGS FOR ALL TRUCKS

Glass for Automobiles, All Models, Prompt Shipment
M 1778 THE BENNETT GLASS CO. LTD. CALGARY

Machinery Conservation

IN the conservation of farm machinery, the overhauling of the equipment before being laid aside for the season and protection from the weather in late fall and winter are important factors. The life of soiled and unprotected farm machinery is often shortened more by rust and exposure than by hard work. Most farms have adequate room for the storage of machinery but under prevailing conditions on the farm it may be difficult to house heavy machinery. However, the extra care necessary in finding some efficient means of protection against the weather will add years of usefulness, particularly if the machines are thoroughly cleaned before being stowed away.

Late fall and winter is the most convenient time to adjust and repair agricultural machinery, and much reconditioning can be done with the tools available on the farm. Repairs that cannot be done on the farm should be taken to the blacksmith or other repairman as early as possible so that the work of the repairman may be evenly distributed throughout the winter.

In overhauling machinery, all bearings, axles, and similar parts subject to wear should be taken apart and examined carefully. Parts that are not likely to work well for another season should be replaced, if possible. Other parts should be thoroughly cleaned, care being taken to see that the lubricating parts are working well. Parts that work in the ground, such as cultivator shovels and discs should be checked and those that are cracked or badly worn should be replaced. Other parts may require sharpening to ensure best results for the following season.

After the fall work has been completed, many farmers make a point of drawing up a list of the parts which should be replaced or repaired. Under present conditions which are likely to continue more or less until the end of the global war, that is, until the defeat of Japan, it is a wise plan to order the parts that can be ordered well in advance of actual need, so that, in the case of unavoidable delays, the parts may be on hand when wanted.

Federation Meeting

THE annual meeting of the Canadian Federation of Agriculture will be held during the week of January 15 next, at Regina, it was finally decided at a recent meeting of the executive committee of the Federation held at Port Arthur. The exact dates for the meeting in that week will be announced later, and will be co-ordinated with the annual meeting of the Dairy Farmers' of Canada, who meet the same week.

Electrified Farming

THE 40 per cent of Canadian families who are without electricity are mostly in the farming districts. The job of supplying electrical power to the agricultural industry is just getting under way. The results may revolutionize the farms. Electric motors could do the farmer's pumping, wood cutting, feed grinding, churning, milking, cream separating, sheep-shearing, threshing, and so on. Electricity, slaving for the farmer, could give him larger output at smaller costs. It could also bring him some new techniques, like soil heating, artificial sunlight, quick freezing of fruits and vegetables, and dehydration. In some cases the plant is very simple and inexpensive. In others it is more elaborate but can well be owned by a local farmers' co-operative.

NO EXPORT PERMIT NEEDED

THE Department of Trade and Commerce announced recently that as of September 29, 1944, and until further notice export permits will not be required for the exportation of live sheep or lambs when shipped to British Empire destinations or to the United States.

DR. THOMAS' ELECTRIC OIL
for Strains, Sprains and Stiffness in Horses and Cattle



Asthma Suffering Stopped 7 Years

Seven years ago J. Richards, 201 East 23rd Street, Hamilton, Ont., was asthmatic, lost weight, suffered coughing, choking, wheezing every night—couldn't sleep. Mendaco stopped his spasms promptly and he now reports normal weight and good health although 70 years old. To prove that Mendaco may do the same for you, we make this liberal trial offer: Get Mendaco from your druggist today! Unless it loosens and removes thick strangling mucus, brings free breathing, restful sleep and frees you from the suffering of Asthma attacks, simply return the empty package and get all your money back. You have everything to gain and nothing to lose. So don't suffer another day without asking your druggist for Mendaco.

Millions have used — PAZO for PILES

Relieves pain and soreness

There's good reason why PAZO ointment has been used by so many millions of sufferers from simple Piles. First, PAZO ointment soothes inflamed areas—relieves pain and itching. Second, PAZO ointment lubricates hardened, dried parts—helps prevent cracking and soreness. Third, PAZO ointment tends to reduce swelling and check bleeding. Fourth, it's easy to use. PAZO ointment's perforated Pile Pipe makes application simple, thorough.

Get PAZO Today! At Drugstores!

Men, Women Over 40 Feel Weak, Worn, Old?

Want Normal Pep, Vim, Vitality?

Does weak, rundown, exhausted condition make you feel lagged out, old? Try Ostrex. Contains general tonics, stimulants, often needed after 40. Supplies iron, calcium, phosphorus, vitamin B. Helps you get normal pep, vim, vitality. Introductory size Ostrex Tonic Tablets only 35c. For sale at all good drug stores everywhere.

Buy More Victory Bonds!

MEW MIRRORS, Made to Order
Any Size or Shape

THE BENNETT GLASS CO. LTD.
M 1778 228 - 7th Ave. East, Calgary

RAT-NIP

KILLS or MONEY BACK

Nothing so consistently successful in destroying rats quickly and easily has ever been known. Rats are attracted to it . . . die in droves! Try this great protection against food and property losses. Nearly 30 years of success. At drug, hardware and general stores.

Liquid Veneer Corp., Ft. Erie North, Ont.

35c a tube



YOU NEED Comfort
INSIDE AND OUT



When you need comfort as well as warmth, buy Stanfield's.

STANFIELD'S LIMITED
TRURO, N.S.

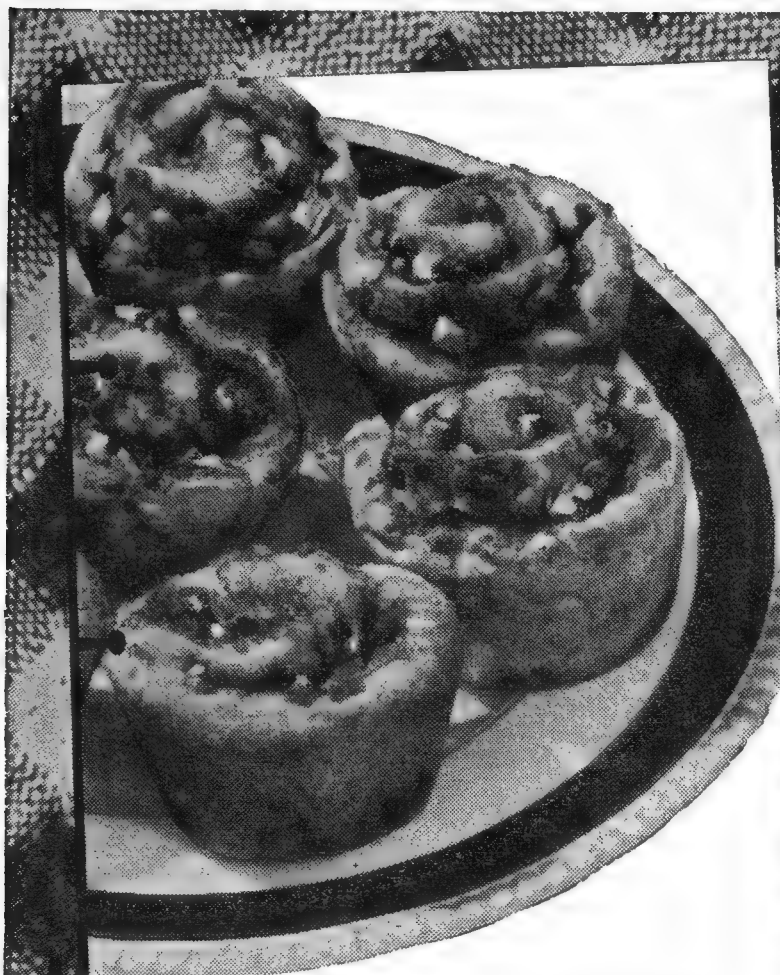



STANFIELD'S
Unshrinkable
UNDERWEAR
SOFT - WARM - DURABLE





THUMBS DOWN ON DULL MEALS!



MAGIC'S CARAMEL BISCUITS

2 cups sifted flour 1 egg
4 tspns. Magic ½ cup milk
Baking Powder ½ cup brown sugar
½ tspn. salt ½ cup chopped nuts,
4 tbsps. shortening any kind, or raisins

Sift dry ingredients together. Cut in shortening until mixed. Beat egg slightly in measuring cup; add milk to make ¾ cup; add to first mixture. Roll out ¼-inch thick; sprinkle with brown sugar and nuts. Roll as for jelly roll. Cut in 1-inch pieces. Stand on end in well-greased muffin pans. Bake in moderate oven (375° F.) about 30 minutes. Makes 18:

They're different! They're delicious! Magic's mouth-melting Caramel Biscuits are sure-fire meal brighteners—guaranteed to be a family favorite from the first bite.

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SELECTED RECIPES

USE this year's bountiful apple crop in new treats easy on ration coupon values.

Apple Pickles

7 pounds green apples
4 pounds brown sugar
1 quart vinegar
1½ teaspoons cinnamon
1 cup water
1½ teaspoons cloves

Wash, quarter and core unpeeled apples. Combine sugar, vinegar, water and spices, and boil until slightly thickened (219° F.). Drop apples, a few at a time, in syrup and cook for 10 minutes, or until tender. Pack in clean, hot jars, cover with hot syrup and seal at once. Approximate yield: 6 pints.

Pastry Apples

6 apples
Sugar
½ cup flour
¼ cup butter

Peel apples, and cut in half crosswise. Scoop core out, but don't cut completely through. Place in baking dish; fill each cavity with sugar and sprinkle with lemon juice. Mix flour and butter, and spread over cut surface of each half. Cover bottom of dish with boiling water and bake in a hot oven (400° F.) for 40 minutes, or until apples are soft, pastry browned. Approximate yield: 6 portions.

Apple Butter Pie

1 tablespoon gelatin
1½ cups water
½ cup milk
3 eggs, separated
½ cup brown sugar, firmly packed
½ cup apple butter
½ teaspoon salt
Dash of cloves
½ teaspoon nutmeg
1 teaspoon cinnamon
1 tablespoon lemon juice
2 tablespoons sugar
1 baked (8-inch) pastry

Soften gelatin in ½ cup water. Combine milk, slightly beaten egg yolks, brown sugar, apple butter, salt, spices, lemon juice and remaining water. Cook over boiling water until mixture thickens, stirring constantly. Add softened gelatin, stirring until dissolved. Cool, then beat 2 tablespoons sugar gradually into stiffly beaten egg whites and fold into gelatin mixture. Turn into baked pastry shell. Chill until firm.

Apple Turnovers

Thick applesauce
Pie pastry
Cinnamon
1 egg yolk

Cut the pastry into large rounds with a saucer. Place on each a tablespoon of apple sauce, well sweetened and flavoured with cinnamon. Moisten the edges of the crust; fold over, turnover fashion, and pinch together. Place in a baking pan; brush with the beaten egg yolk and bake about 20 minutes in a hot oven, 400 degrees F.

Apple Relish

2 cups finely diced, ripe tomatoes
2 cups finely diced, unpared apples
½ cup finely diced green peppers
1 cup chopped onions
1 cup cider vinegar
2 tablespoons brown sugar, firmly packed
½ teaspoon pepper
½ teaspoon salt

Combine all ingredients in the order named. Cover, and store in the refrigerator overnight. Serve with meat, etc. This relish may be kept in the refrigerator for several days.

Apple Fluff

6 medium apples
½ cup water
1/3 cup sugar
3 egg whites, stiffly beaten
Juice and rind of half a lemon
½ pint heavy cream, whipped
6 medium apples, sliced
2 cups water
2 cups sugar
Sponge cake

Pare and core apples. Cook six of them with the water until soft. Rub through a sieve and add sugar. Fold in egg whites, cream and lemon. Simmer apple slices in sugar and water syrup until transparent but not soft. (More sugar and water can be added if needed.) Break sponge cake with a fork and place in dessert dishes. Heap with apple slices and top with snow mixture. Chill and serve. Approximate yield: 8 servings.

Apple Snow

¾ cup unsweetened applesauce
1 teaspoon lemon juice
1/3 teaspoon nutmeg
2 egg whites
6 tablespoons sugar

Combine applesauce, lemon juice and nutmeg. Beat egg whites until frothy, then gradually beat in sugar until mixture stands in peaks. Fold in applesauce. Chill thoroughly and serve plain or with a custard sauce. Approximate yield: 6 portions.

Fritters are a dessert to follow a light luncheon or supper. Warm, covered with sauce, they make just ¾ stretch. Serve them with jam or jelly, of a cup of diced fruit stretch and syrup or sauce. All are good.

★

Cornbread and Little Sausages

¾ pound sausage (12 links)
1 egg
1 tablespoon sugar
¾ cup milk
½ cup whole bran
1 tablespoon melted shortening
1 cup sifted flour
½ teaspoon salt
2½ teaspoons baking powder
1-3 cup cornmeal

Simmer sausage for ten minutes in just enough water to cover. Drain well, saving liquid.

Beat egg well; add sugar and milk. Stir in whole bran and melted, cooled shortening. Sift flour, salt, baking powder and cornmeal together; add to bran mixture, stirring until liquid and dry ingredients are combined. Arrange sausages like spokes of wheel in bottom of greased pan. Cover with batter. Bake in moderately hot oven (425 degrees F.) about 25 minutes. Turn out upside down on plate while hot. Serve at once with cream gravy made of sausage liquid and milk.

Yield: 6 servings (8-inch round pan).

★

Pot Roast Secrets

1. Slow cooking.
2. Covered roaster or kettle.
3. Add small amount of water.
4. Cook a long time.

4 lbs. beef chuck, round or rump
3 teaspoons salt
3 tablespoons fat
½ to ¾ cups hot water
Pepper

Rub meat with salt and pepper. Have fat sizzling in Dutch oven. Brown meat on all sides. Add water, cover tightly and cook slowly on top of the stove or in the oven until meat is tender, about 2 hours. If cooked in oven the temperature should be low (300 degrees F.) Add more water during cooking if needed. Make a gravy out of the liquid. Serves 10.

NOTE.—Vegetables may be cooked around the roast—potatoes, onions, carrots. These should be added 40 to 45 minutes before the roast is done.

• • •

MY DAUGHTER

By EDNA JACQUES

*She tells me that my hair's a mess,
She jerks and twitches at my dress
And riles me often, I confess,
My daughter.*

*She moons around the house and sings,
And shudders at old-fashioned things,
She's modern as a spitfire's wings,
My daughter.*

*She's restless, moody, filled with fears,
Changes from laughter into tears,
Apes every movie star she hears,
My daughter.*

*She's going to wed a millionaire
(She says) and have grand clothes to wear,
Peaches and cream her daily fare,
My daughter.*

*She combs her hair in dainty swirls,
Sets dobby pins to hold the curls,
And imitates the other girls,
My daughter.*

*Although she's all these things I tell,
And many more . . . she's doing well,
And I—her mother—think she's swell,
My daughter.*

HOMEMAKING AND HOMEKEEPING

by Betty Brown

DEAR COUSIN JANEY, — This month I have some more of the choice recipes I collected from my friends when I was away on my vacation.

I shall begin with an individual dessert. Combine the following ingredients: three egg yolks, slightly beaten, one cup of milk, two tablespoons of granulated sugar, a pinch of salt and half a teaspoon of vanilla. Cook over hot water, stirring constantly. When cool, place a half a peach in an individual custard cup. Cover with custard, and top with a meringue made from the three egg whites beaten stiff with six tablespoons of sugar. Brown in the oven. This quantity of custard will make six servings.

The above recipe and the following one are from Sybil Anderson. These cheese straws are very quickly and easily made. Blend one cup of packaged prepared biscuit flour with one-half cup of grated Canadian cheese. Add one-third of a cup of milk, and mix well. Roll out, dust with a little paprika, and cut into "straws". Bake in hot oven.

The next two recipes are from Dolly Martin. For the lima bean loaf you will require two cups of cooked lima beans; one cup of bread crumbs; two tablespoons of melted butter; two tablespoons of chopped green pepper; a quarter cup of chopped onion; half a teaspoon of salt; two beaten eggs; half a cup of milk, and a few sprigs of chopped parsley. Combine these ingredients, turn into a greased loaf pan and bake for half an hour, basting with hot water and a little butter. This is grand if you are as fond of lima beans as I am.

With the bean loaf we had a nice salad with sour cream dressing. Dolly made it in a few minutes. For the dressing she just mixed together two teaspoons of sugar, one teaspoon of salt, half a teaspoon each of mustard and paprika. Then she added a slightly beaten egg, one cup of sour cream and two tablespoons of vinegar. These she cooked in a double boiler until the mixture thickened somewhat. When cooled it was ready for use.

When I visited at the Perry's home, they had a salmon roll for supper. It certainly was delicious, and equally sightly. Here is the way to prepare it. Mix and sift one cup of flour, two teaspoons of baking powder and a quarter teaspoon of salt together. Work in two tablespoons of shortening, and add one-third of a cup of milk. Turn onto a board and knead slightly. Then roll to one-quarter inch thickness. Flake a half a can of good red salmon, mix with one beaten egg, and spread over the pastry. Roll up like a jelly roll and place in a flat pyrex dish. Sprinkle a few buttered crumbs over the top. Mix another egg with the other half of the can of salmon, and arrange around the base of the roll. Dot with butter. Bake in a hot oven for half an hour, and serve with a white sauce.

I wonder if you like shrimps? We had such an appetizing dish made with them at Ed. Smith's home. In fact, everything that Mrs. Ed. makes is appetizing. If you'd like to try them, get a can of shrimps, drain the liquid from them, and take out the little black string-like piece from each shrimp. Break the shrimps in small pieces and arrange in small-sized custard cups. Make a cream sauce from two cups of milk, three tablespoons of flour, one heaping tablespoon of butter, adding a dash of salt and a little curry powder—enough to colour the sauce a desirable yellow. Cover the filled cups with fine buttered crumbs and, when ready to serve, set in the oven until well heated. If you haven't small custard cups, you may make this in a casserole.

I'll close with another luncheon or supper dish, this time coming from Dot Cameron. She says it hasn't any name. To make it you melt three tablespoons of butter and blend with

two tablespoons of flour. Stir in one cup of milk, heated to scalding. Cook in double boiler until thick. Add half a cup of grated cheese, a quarter teaspoon of dry mustard, salt and pepper to taste and either a number two can of cream-style corn, or its equivalent in home-canned corn. Turn into baking dish, top with grated cheese and brown well in the oven, being sure it is heated through.

Next month is Christmas. May it be a happy one for you and yours.

—BETTY.

...

Where Are Your Children

RECORDS compiled by the Dominion Fire Commissioner show that 35 small children met their death by fire in 1943 in Canada when left alone in their homes. Eight others died as the result of playing with matches. Altogether, 149 children perished by fire last year in Canada.

These tragedies are reported day after day in our daily papers, but beyond those immediately effected they do not seem to make much impression on the general public. Parents still insist on going out of their homes and leaving helpless little infants to fall prey to flames from overheated stoves and pipes. Others will leave children of two or three years of age alone, with matches within easy reach of their inquisitive little hands. Many parents say they would never get out to a movie or for other relaxation if they had to depend on getting someone in to look after their children these days. Wartime conditions have made this safeguard a very difficult one, they contend. What a price many have had to pay for a few hours of borrowed pleasure! Hearts that will remain saddened for a lifetime because of their neglect! Parents, if you truly love your children, and if you assume your full responsibility in regard to their welfare, you will not leave your small, helpless children alone in your homes to become the victims of the fire demon. Always make sure that there is some responsible and competent person left in charge of them or take them with you. Educate your children in the dangers of playing with matches or bonfires. Keep matches well out of their reach. Children can be taught fire prevention principles with very little effort. Therefore, lose no opportunity to safeguard your children against the ravages of fire.

Refreshing
at any hour!



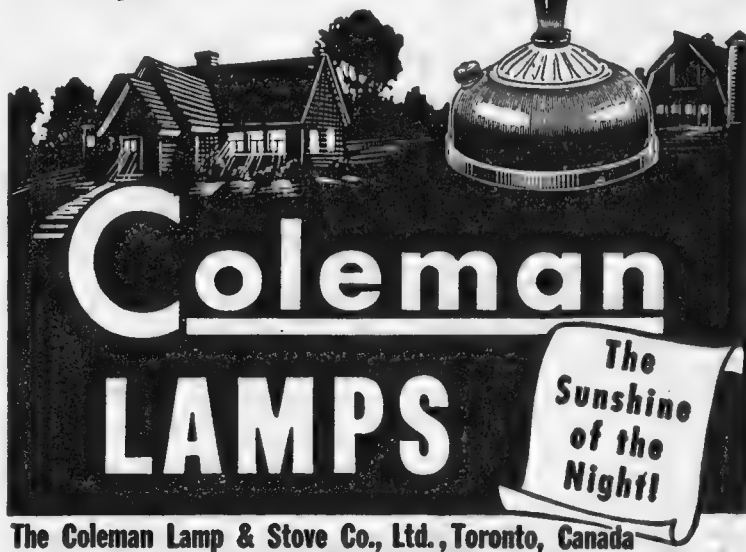
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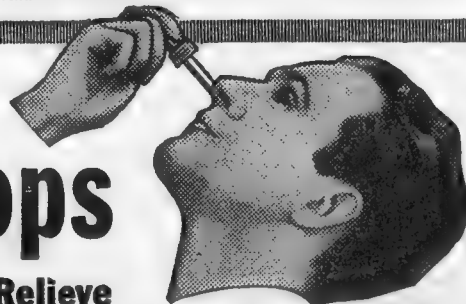
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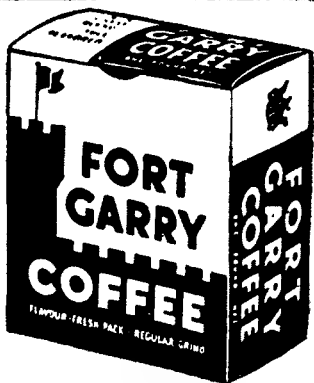
Needs No Cooking! Big Saving!

You'll be pleasantly surprised when you make up this easily prepared mixture and try it for a distressing cough. It is no trouble to mix, and costs but a trifle, yet it can be depended upon to give quick relief.

Make a syrup by stirring 2 cups of granulated sugar and 1 cup of water for a few moments until dissolved. No cooking needed. (Or you can use corn syrup or liquid honey, instead of sugar syrup.) Get a 2½ ounce bottle of Pinex from any druggist, put it into a 16 ounce bottle and fill up with your syrup. The 16 ounces thus made gives you four times as much cough medicine for your money, and is a very effective relief for coughs. Keeps perfectly and tastes fine.

This splendid mixture has a three-fold action. It soothes the irritated membranes, loosens the phlegm and helps to clear the air passages. Thus it makes breathing easy, and lets you get restful sleep.

Pinex is a special compound of proven ingredients, in concentrated form, well known as a soothing agent for winter coughs. Money refunded if it does not please you in every way.



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Country Diary

AND now again November, usually regarded by poets as a sad month, not coloured as is October by Nature's brush, nor clad in white, as December,—generally speaking. A dark, forbidding month, with chilly mornings, frosty nights, snow flurries, and above all, the North wind, sweeping down like a gangster from the Arctic. First it stole from the tall poplars leaf by leaf until a golden-brown carpet lay along their southern side. It made them deliver at a single gust. Now they stand outraged with uplifted arms stark in the chilly air.

The north wind rattles windows and whistles weirdly under doors and through keyholes; it sets windmill fans to turning with a protesting wheezy whine; it plays a spectral melody on the barbed-wire fences. So it has its own impish glee in the dark of night, a Hallowe'en goblin-gangster if ever there was one.

Then in the daytime it continues its pranks, rushing up on Main Street and whirling the dry fallen leaves before it on the sidewalk in front of the bank and post office, where there are neither trees nor leaves. Then it whisks another lot on to frolic in the drug store doorway, and flirts with the grumbling clerk's broom. It puffs a pile of rustling poplar leaves in the faces of the farmer's team of colts and sets them racing up the street in the wrong direction with a great jingle-jangle, and tears off the Red Cross president's new hat as she hurries to the meeting.

Well, we defy the invisible monster. If we could, we would snap our sheepskin mittened fingers at him. For we have put on the storm fixtures, filled in the cracks with putty and tacked on new weatherstrip. We have brought home the dry wood and got out the saw in readiness and the coal-bin is heaped high.

But rain is something else. The farmer yearns for its benevolent falling on the young crops in Spring and dreads it in autumn, and nothing can be done about it when it comes in October, as it did last month, to delay threshing, spoil the stooked grain and cause extra work and expense in a sphere where man-power is already at zero. October rains are something we just have to live through. I have stood by the window watching the rain coming down straight and dark and heavy, trying to see any lightening of the grey cloud-laden sky. Lines I read somewhere persisted in my

mind—perhaps I have not got them quite right, but their melancholy is sufficient for the moment:

"I thought of you in the rain last night,

Not clear nor bright,
Not shadowless, nor warm with sun,
But striking with the terrible beat of rain,

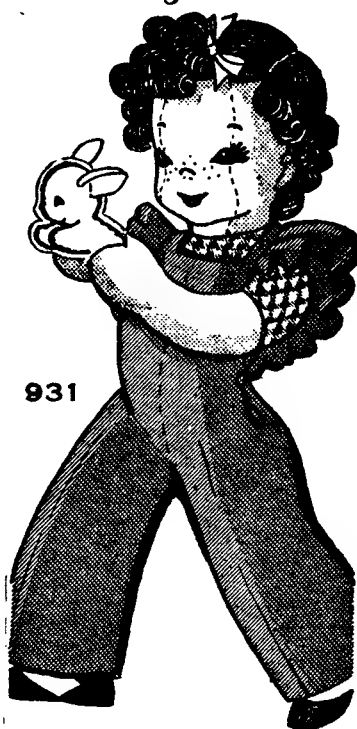
When the rain has just begun."

We still have a good word for November, for we know its gloom will be nicely tempered with occasional days of sparkling sunshine and polished stillness; beautiful early twilights made enchanting by the last gleams of golden light, and then the stars will come out in the frosty night to move the heart and senses with their wonder and beauty. No mad dictators can raise their iron gloves and wipe off that lovely glow above the setting sun. Those who realize the beauties of the two worlds here and above, possess a happiness and contentment all their own.

WHEN boiling tea towels, put a few lemon-peels in the water, and this makes them whiter and gives them a clear freshness.

Sprinkle a little cold water over jam tarts before baking, and the jam won't burn—they look nicer, too, when cooked.

Rag Doll



by Laura Wheeler

The Tiny Match

I'm just a little tiny match
That people carry 'round,
To light their cigarette or pipe
Then throw me on the ground.

My head is hit so very hard
Against the old stone wall,
And then I'm tossed with careless hand
No thought of where I fall.

Some scratch my head with finger nail
And think it quite a lark,
Then flip me in the sidewalk well
Where it is dry and dark.

At times I've had to stay there long
'Til my head rung like a bell,
And then to pass the hours away
I flared and burned like "Hell".

I'm blamed for all the damage done
When I my temper lost,
And not the guy that struck my head
Or was careless where he tossed.

If my true value were appraised
By people whom I serve,
They'd find me such a useful tyke
Who from purpose does not swerve.

So if you wish me to behave,
I warn you here and now,
To use me in a thoughtful way
And I'll not start a row.

I'm just a little tiny match
That people carry 'round,
To serve them in a thousand ways,
So long as judgment's sound.

—(St. Catharines, Ontario, Fire Department.)

EVEN rag dolls have pets as you can plainly see. Make this farmette and her bunny for the children in the family.

Farmerette rag doll for city slickers. Pattern 931 contains a transfer pattern and directions for making doll, clothes and bunny.

Send twenty cents in coins (stamps cannot be accepted) for this pattern to Farm and Ranch Review, Needlecraft Dept., Calgary, Alberta. Write plainly PATTERN NUMBER, your NAME and ADDRESS.

Because of the slowness of the mails, delivery of our patterns may take a few days longer than usual.

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FIRST PRIZE

Clothes Treatment

YOU don't have to be a specialist to be a good clothes doctor. Here are a few treatments for common clothes' complaints—they are all quite easy to carry out and well worth doing.

To lengthen a dress for a growing girl, let in a band of contrasting colour material from the waist to 4 or 6 inches below (or as much as needed), add collar, cuffs and pockets to match. Little Susy's last year's woollen frock with the gathered skirt or a yoke, now painfully tight and short, can be enlarged by unpicking the skirt from the yoke, and inserting a band of contrasting material from middle of neck down the centre of waist; then insert a similar band joining waist to skirt. Bands of the same colour can be used to enlarge the sleeves and a narrow binding for the neck. This is a better way of lengthening a frock than by adding to the hem.

To make a really good job of patching sleeves that are worn through at the elbow, take enough material for two good-sized V-shaped patches. Velvet patches stitched with coloured silk are decorative as well as useful on a cloth dress. Try and introduce the colour somewhere else, to bind collar and pockets—to make a bow for the neck-line, and velvet covered buttons give a very smart touch.

Then if the sleeves of a pullover begin to wear thin, they will last much longer if you take them out and change them over, left to right, right to left. Also reinforce by darning over a piece of net placed on the wrong side.

The blouse that won't stay put inside a skirt needs extra length, which can be given by crocheting on to it a matching or contrasting band, and wearing it outside. A crocheted edging of the same shade around collar and sleeves adds interest.

An old coat can be given a fresh start by cutting down to the new hip-length and using the extra cloth for new collar and cuffs, and if necessary, big patch pocket or pockets, to hide a worn spot.

Usually it is the base of a pocket that wears out. To repair, make a new half-pocket from any strong material, cut off the worn lower part, and join the new part to the original. This saves unpicking the neat tailor's finish at the top opening.—M. MacMahon, Royal Oak, B.C.

★ ★

SECOND PRIZE

Reclaimed Wool

MANY attractive and useful articles can be made from reclaimed wool. Wash and dry thoroughly the article that you intend to unravel as there is so much dust that flies around otherwise. Homeknit garments are easy to unravel as it comes undone all in one motion. As you are unravelling the wool, wind it around a board from which it can be easily taken off, such as a bread board, taking care to keep the ends visible. When the skein is as large as you want it, tie it in about four different places with some other coloured wool or with string, tying the two ends together where you can easily find them when you want to make a ball. Remove from the board and dip the skein in warm water until it is all wet, then hang it up and tie a weight to the bottom. When it is dry all the kinks should be out of it.

When it is dry and wound into a ball, you can start to knit. I have made children's sweaters and little boys' suits from larger sweaters. You have plenty of wool even when the matted underarm is not used. If you

happen to be short, one can use new wool for a trimming on collars and rugs, etc.

Bought woollen articles that cannot be unravelled can be cut up into tiny pieces and used to stuff cushions. It seems that the more they are used, the softer they become, the reason being that the small pieces unravel with use. If you happen to have some men's woollen underwear that is not too worn, dye it and it will cut and sew into grand play-clothes for winter days, and it looks real nice too, if you make a good job of dyeing. If you use plenty of water it is really an easy job to dye anything evenly.

Speaking of underwear, you can also make many articles of the fleecelined kind. It is the same material as boys' sweat shirts and they are easy to make and dye. If you have some old zippers around and use them they look like the bought article.

Children's waists are also very useful these days when one cannot get elastic for panties. Get some strong twilled tape and tape them over the shoulders and around the waist. They will then hold the buttons without tearing out.

It is really surprising the number of things one can make for children without buying new material, as it takes so little for small tots.—Gypsy Nell, Bapaume, Sask.

★ ★

Sour milk may be used in most cake recipes if one-half teaspoon of soda is added to each cup of sour milk. Omit two teaspoons of baking powder for each one-half teaspoon of soda used. Raising power of one-half teaspoon of soda in one cup of sour milk equals raising power of two teaspoons of baking powder in one cup of sweet milk.

★ ★

Xmas Gift



964

by Laura Wheeler

AN answer to the annual question: What to give Mother for Christmas? These pretty aprons take one yard or less.

Simple stitches make these aprons. Pattern 964 has transfer pattern of an 8½ x 11½ and two 3½ x 5-inch motifs; directions.

Send TWENTY CENTS (20c) in coins (stamps cannot be accepted) for this pattern to FARM AND RANCH REVIEW, Needlecraft Dept., Calgary, Alta., Print plainly PATTERN NUMBER, your NAME and ADDRESS.

CLEANING CHAIRS

CLEANING imitation leather chairs or chair seats is a puzzling task to some housewives. This is how it's done. Wring a clean cloth from a suds solution made with lukewarm water. Wipe over the imitation leather. Immediately remove soap solution by going over the leather with a soft cloth wrung from clear water. Be sure to leave no trace of soap. Sweet oil is then applied with a cloth. Carefully rub the sweet oil into the fabric and be sure to remove all excess oil. If the imitation leather is then waxed and well rubbed, wiping with a damp cloth from time to time will keep the seats clean.

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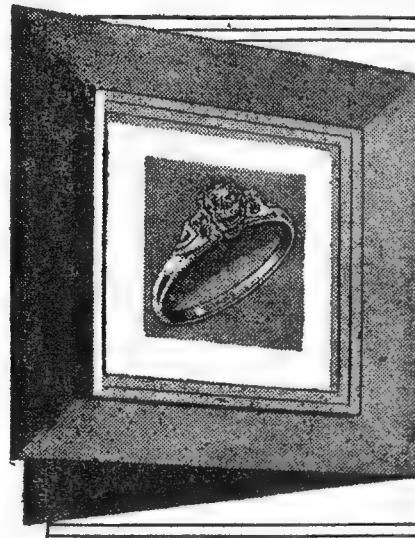
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LOVE provides a Flavor for Every Taste and Every Purpose and has turned the tide to Finer Quality, Greater Strength and more Variety. Send for a complete list. You will be interested as many of these unique Flavors you have probably never heard of.

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BOOK REVIEWS

"THE RCAF OVERSEAS: THE FIRST FOUR YEARS"

IT has been said that history is being made today—not written. The flame and smoke in the skies and rising from the bombing targets of Europe proves the making of history beyond doubt—but it is being written too. In October the first official air history of this war will be issued when "The RCAF Overseas: The First Four Years" appears on the newstands, to tell the story of RCAF units on their far-flung stations.

The names and deeds of a country's heroes are hers to remember and cherish. The RCAF have made it certain that what Canada's men in her service have done in air operations shall be known and remembered not alone by those who observed or who took part in the terrible destruction they have wrought upon the enemy. The story they have written so bravely in the sky has been devotedly set down on paper.

In the early days of the war RCAF recruiting posters spoke of "a world traveller at 21", and that is virtually what the man in the RCAF has become.

The boy next door, the lad from Sioux Lookout, the youngster from Churchill or Trois Rivières, from Westaskin or Smithers—to whom the British Isles, Europe and North Africa were yesterday no more than coloured blotches on a map or words and figures in an atlas—now is as familiar with them as he once was with his own back yard.

From all the myriad farms, settlements, towns and cities of the Dominion Canada's sons have journeyed far. And now their deeds and journeyings have been recorded for them and for their people.

Under the supervision of the RCAF Historian, Group Captain Kenneth B. Conn, D.F.C., recording officers have been at work for many months in the squadrons, wings groups and commands of the RCAF and the RAF compiling the activities of RCAF units. Narrative officers have also been busy both overseas and in Canada sorting out the details and arranging the story for publication. The Assistant Historian, Wing Commander Charles H. Link, of Montreal; Squadron Leader Fred H. Hitchins, of New York University; Flight Lieutenant Fred Coulson, of St. Louis University, and a graduate of Cambridge University, Flight Officer Katherine Ball, of the University of Toronto, and Flight Officer Frances Service, a well-known teacher of history in Ontario, are just a few of the officers engaged in compiling this history of Canada's airmen overseas.

Whenever our RCAF Squadrons have journeyed, be it to the United Kingdom, North Africa, Italy or India, there have gone the recorders. And in this, the first written history of the Force—"The RCAF Overseas: The First Four Years"—their story is told. For the first time an official history will appear while the events set down in it are still live topics—while

the man in the street has a vivid memory of their actual occurrence.

And not only on the point of topical interest does this story of the RCAF differ from other military histories, for it is not concerned with the men behind the scenes directing the show. It is the exciting and accurate account of the men who themselves flew the aircraft, fired the guns and charted the courses in their struggle to save Britain and to win the war.

This is no ponderous tome concerned with the obscure details of global strategy, to the warped ideology of Nazidom, or to the reasons which make necessary the stamping out of Hitler's New Order for the World.

It is the gripping story of Canada's sons—the day by day and night by night happenings of Sergeants, Flight Sergeants, Pilot Officers, Flying Officers, Flight Lieutenants, and Squadron Leaders. And to a lesser extent of more senior officers who won their spurs on actual operations against the enemy in this war.

Here is the story of how that lad from down the street or around the corner—he's a Sergeant Air Gunner on a Halifax now—by dint of great resources of determination, courage, and unswerving devotion to duty kept the tail of his kite free from menacing Jerry fighters, and made it possible for his wounded pilot to return and land safely at base.

It's the story of Bitsy Grant, Lloyd Chadburn, Jimmie Walker, Lonsdale Cowperthwaite, George Murray and all the legion who held the public eye with their heroism and then passed on; the deeds of Johnny Fauquier, Don Morrison, Alan Brown, Foss Boulton, Ralph Christie, Paul Davoud and thousands of others who found their place in the sky—and who still remain to find another place in the world when the fear of Nazidom shall be driven from the hearts of men,

Care of Lamps

LAMP shades should be kept clean to obtain the best light.

All shades should be dusted frequently with a soft brush, whisk broom or brush attachment of vacuum cleaner. Soiled silk or rayon shades, if the sewn type, can be cleaned successfully at home with soap and water. First remove all fancy or contrasting trim that is not colorfast. Brush and dust shades thoroughly. Scrub the rims with a soft brush and a lukewarm solution of mild soap suds. Then dip the shade vigorously up and down in a tubful of lukewarm, soapy water. Rinse thoroughly in clear water and dry in a current of air. Light stains can be removed by rubbing with an art gum eraser and dusting. Dry-clean linen, chintz, or novelty fabric shades, because they might shrink. Paper parchment shades can be cleaned with turpentine or liquid wax and should be wiped thoroughly dry. Plastic shades can be wiped with a cloth wrung out of cool, soapy water and should be rinsed with clear water.

DISHPAN PHILOSOPHER

SOME folks do worry over change—whatever's new they see as strange, and mostly as to be deplored as long as it can't be ignored. But me, I see the good old days as not so good in lots of ways. Without a lot of discontent in people on improvement bent we'd maybe still be in the cave with woman as a chattel slave. The world it really seems to me is better than it used to be, although with war and all such stuff it's plain it hasn't changed enough.

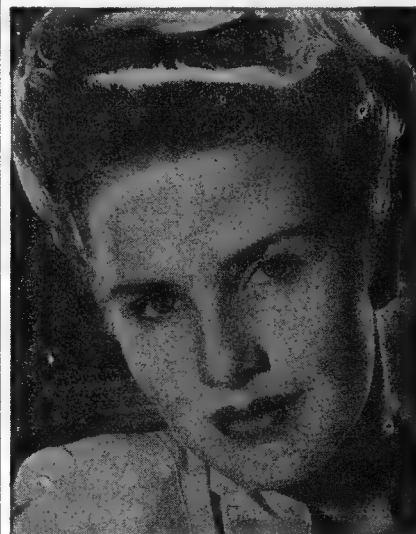
Yes, sir! It's change—within, without—will bring the brave new world about. And change will play its biggest part if it can bring a change of heart to all who figure that to fight for wrong can ever make it right.

You Women Who Suffer From HOT FLASHES then CHILLY FEELINGS

If you—like so many women between the ages of 38 and 52—suffer from hot flashes, weak, tired nervous feelings, are a bit blue at times—all due to the functional middle age period peculiar to women—try Lydia E. Pinkham's Vegetable Compound—to relieve such symptoms.

Lydia Pinkham's Compound *helps nature* and that's the kind of medicine to buy! Follow label directions. Well worth trying!

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Improved New
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gives continuous action
for hours!

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Radio News

TOPICS FOR DISCUSSION—NATIONAL FARM RADIO FORUM, 1944-5

FIRST SERIES

Land—Foundation of the Community
"Is Our Soil Worn Out?"—November 6th. Soil can be wasted or used wisely. Which are we doing?
"How Can We Make Our Land More Productive?"—November 13th. A review of conservation in Canada showing the place of government planning and community action.
"What the Forums Say About Our Land"—November 20th. Provincial Forum Secretaries will take part in this broadcast every fourth week to report what the Forums in all provinces have concluded from their discussions during the previous three weeks.

SECOND SERIES

People—Builders of the Community
"What's Happening to the People?"—November 27th. Three generations of social and economic change in rural Canada.
"Can Future Farmers Make a Living?"—December 4th. Economic and social readjustments are necessary. Will soldiers and young people have a satisfactory future in the rural community?
"Rural Communities Can Be Attractive"—December 11th. How to make the rural community worth living in.
"What the Forums Say About Farming"—December 18th.

THIRD SERIES

Education for Rural Living
"Fitting Young People for Rural Living"—January 8th. What the schools should do in educating rural young people.
"Making Rural Schools Effective"—January 15th. The place of the teacher and adequate educational facilities in the rural community.
"We All Have Something to Learn"—January 22nd. Many agencies in Canada provide information on better farm living and management. Are farmers making the best use of it?
"What the Forums Say About Rural Education"—January 29th.

FOURTH SERIES

Let's Talk About Marketing
"Is Co-operative Marketing Efficient?"—February 5th. How co-operative marketing compares with other methods.
"Are Commodity Exchanges Necessary?"—February 12th. The place of the commodity exchange in the marketing of such agricultural products as wheat.
"Should Producers Control Marketing?"—February 19th. The development of producer controlled marketing with legislative support.
"What the Forums Say About Marketing"—February 26th.

FIFTH SERIES

The Community Broadens Its View
"Producing for Consumer Needs"—March 5th. Producers have a responsibility to those who use their products.
"Will Price Stabilization Help?"—March 12th. How rural living is affected by floor prices and subsidies.
"We All Live in the Same World"—March 19th. The role of Canadian agriculture in the world to-day.
"What the Forums Say About the Community"—March 26th.

★ ★ ★

WAR OF IDEAS

THE war of Arms may end in 1944 or 1945. I do not know when. But the war of ideas will certainly go on—the war to decide what kind of ideas are to govern the world.—Sir Gerald Campbell

BICYCLES GO TO WAR

ONE of the most remarkable uses of the cycle in this war was for hunting down tanks—yes, tanks. This happened in the earlier part of the war when the possibility of the Germans landing airborne tanks in Britain had to be considered and precautions taken. Specially trained platoons were given cycles and assigned to areas where the tanks might land as part of an invasion attempt. I believe that six cyclists were assigned to deal with each potential tank.

People often ask me about the weight of the folding cycle used by the parachutist. Well, it is a little less in weight than the ordinary standard light cycle, which weighs about 30 pounds. In fact, it is almost impossible to save much weight in building a standard machine, for the modern cycle is almost as light as it could be.

The parachute cycle works in an extremely simple way. In appearance it resembles a woman's cycle, for it has not got the ordinary crossbar. In practice, all that the parachutist has to do when he lands and wishes to mount his bike is to straighten out the machine and operate two butterfly nuts—a work of only a few seconds.

Not long ago I was rather astonished to get an urgent request for 40 cycles for the British submarine service. How submarines could use them I could not guess, but I sent the machines and in answer to my curious enquiry as to their use I was told that their depot ship was stationed seven miles from the nearest pub!—Sir Edmund Crane, in the Pacific Service of the BBC.

★ ★

Bing Crosby



BING CROSBY, the world-famous crooner and film star, whose voice sells more gramophone records than any other in the world, arrived in Britain recently to entertain the troops of the Allied Expeditionary Forces. He has the greatest radio audience of any travelling war entertainer and when the British Broadcasting Corporation transmitted his broadcasts to both home and overseas listeners this audience numbered approximately twenty million. He took part in "Variety Band Box", the BBC regular Sunday programme, broadcast overseas and also to the troops on the Western Front, before an audience of 5,000 servicemen and women of all the United Nations, including British, Canadian and American.

During the broadcast he sang three songs—"San Fernando Valley," "Long Ago and Far Away," and "Moonlight Becomes You". He also did a comedy act with Tommy Handley, Britain's ace radio comedian, who presented him with a pipe. He was introduced to the audience by Pat Kirkwood, British musical comedy star, who is shortly leaving for Hollywood. As he made a surprise appearance the entire one-hour programme was recast and rewritten in twelve hours. After the broadcast he continued to entertain the audience and sang "Easter Parade" with Anne Shelton, the British crooner who is a great favourite with the Forces.

Shortly after Bing's arrival he was having dinner at a London restaurant when a crowd gathered, shouting "We want Bing". He came to the window and promised to sing if they would then disperse. He sang a few songs, the satisfied crowd departed, and Bing went back to his dinner.

★ ★

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Keep it clean and odorless all the time—with quick-and-easy working Gillett's Lye. Pour Gillett's in full strength—it destroys contents completely!

Use Gillett's for all cleaning jobs, indoors and out. It keeps drains clear . . . cleans dairy equipment . . . cuts through clogging grease . . . makes all messy farm and household jobs easier and more thorough. Makes good "kitchen" soap too, at less than 1¢ a bar.

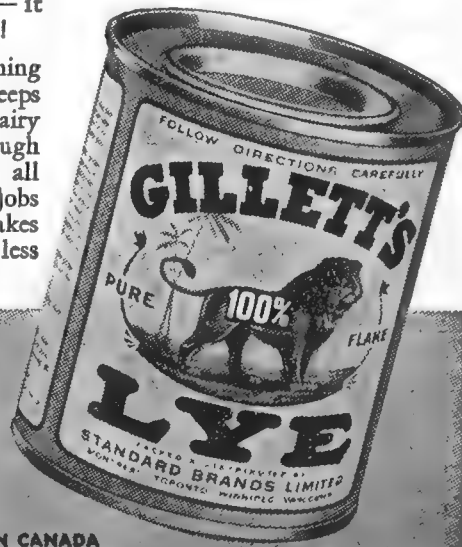
Gillett's is wonderfully economical—one tin makes 10 gallons of solution*. Get a tin or two today.

*Never dissolve lye in hot water. The action of the lye itself beats the water.

FREE BOOKLET:

Write to Standard Brands Ltd., Fraser Ave. and Liberty St., Toronto, Ont., for free copy of Gillett's Lye Booklet that will tell you how to lighten an amazing variety of farm and household tasks.

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Charges of handling all grains have been substantially reduced by Alberta Pool Elevators.

This means, in effect, an increase in the prices of grain.

This policy will be retroactive to August 1st, last.

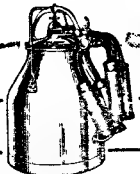
See your local Pool agent.

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EASY TO FOLLOW

IMMEDIATE RESULTS

1. *Be regular*—start the milking at the same time each milking.
2. *Have everything in readiness*—avoid unnecessary noise, confusion or distraction of any kind in the barn at milking time. Study your milking routine to eliminate every unnecessary move.
3. *Preparation of the cow*—Thoroughly wipe the udder of each cow, just before it is her turn to be milked, with a clean cloth which has been immersed in good warm water (130° F.) containing 250 parts per million of available chlorine. Follow immediately with Step 4.
4. *Use of the Strip Cup*—Next, using a full hand squeeze, draw a few streams of

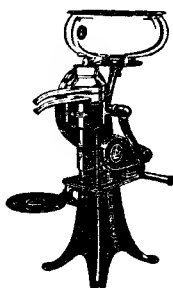
milk from each quarter into strip cup. Inspect for abnormal milk; if present, milk cow last. (Steps 3 and 4 induce rapid let-down of the milk.)

5. *Apply teat-cups immediately after using Strip Cup*. Hold and apply teat-cups properly so that no vacuum is lost and least amount of air is admitted.

6. *Teat-cups should be removed from cow at end of 3 to 4 minutes*. Hand stripping should be employed chiefly for purposes of inspection, and should consist of only a few full hand squeezes from each quarter. Do not prolong hand stripping. Machine stripping can be done just before removing teat-cups by massaging each quarter briefly.

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Your De Laval Separator is one of your most important pieces of farm equipment. Designed for maximum service, built by craftsmen, of the highest quality materials, it will serve you long and efficiently. Your observance of the three simple steps shown opposite will help it do so.



1. Use only De Laval Separator Oil and check lubrication system as directed.
2. Wash bowl and tin-ware immediately after each time separator is used.
3. Keep sufficient discs in bowl for firm disc stack; turn bowl nut down firmly.

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PURE-BRED BREEDERS' DIRECTORY

Cost \$2.00 for 6 months; or \$3.00 per year. The breeders listed below will be glad to send particulars on request. Write them of your requirements.

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Highland Stock Farm, Accredited Herd, Chas. C. Matthews, Calgary, Alta.

Red Polls

T. H. Howes, Willow Farm, Accredited Herd, Millet, Alberta.

Shetland Ponies

Barton's Pony Ranch, Nokomis, Sask.

Collie Dogs (Registered)

Registered Sable and White Collies; rough. Frances Henderson, No. 35, Bounty, Sask.

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BAND AND ORCHESTRA INSTRUMENTS. Piano accordions, etc., may be turned into ready cash. Send details and price to Whaley Royce & Company, 310 Yonge St., Toronto 1, Ontario.

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CAR owners—Attention! Save money on your Auto repairs and accessories. Complete stock of new and used parts. Write for our Free Catalogue. Auto Wrecking Company, Limited, 263-273 Fort Street, Winnipeg, Manitoba.

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MURPHY'S COCHIN BANTAMS. Black and Buff. Choice, matured birds in either variety. H. R. Murphy, Box 463, Chilliwack, B.C.

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HOLLINGSHEAD Business College—The School of Distinction, 527-7th Avenue W., Calgary. M430. Long established. A reliable Business College for Earnest Students.

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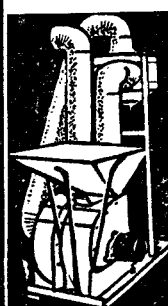
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160 ac., Lacombe dist., all cult., town and school 2 miles, small house and bldgs., \$2,500. 1,500 ac., Stettler dist., 500 ac. cult., balance pasture, large modern house, 2 large barns, sheds, corrals, 5-room house for help, all electric lighted, 2 miles from school and highway, carries 200 cattle. \$13 per ac. large cash payment.

1,280 ac. fine wheat land, Calgary district; good bldgs. and water, on gravel, \$25 per ac., large cash payment.

500 ac. Cochrane dist., fine mixed farm, good bldgs., and water, \$20 per ac., some terms. We have good farms for sale in the Carstairs, Calgary, Drumheller, Lacombe and Stettler dists.

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CANADIAN Pacific Railway, Farm Lands, partially improved and unimproved, also grazing land in the provinces of Alberta and Saskatchewan. Desirable terms. For particulars apply to Asst. Supt. Sales, 957 Dept. Natural Resources, Calgary.

85 acres, 55 cleared, suitable for mixed farming, or dairy. Just outside city limits, Revelstoke, B.C. Large house, two small cottages, running water, electric lights, large barn. Apply Revelstoke Agencies Limited, Revelstoke, B.C.

160 ACRES of good land and buildings, half mile north of Blucher, Sask. For further particulars write to D. Tomkewich, Sutherland, Sask.

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STOP suffering from following stomach disorders: Acid Stomach, Indigestion, Heartburn, Coated Tongue, Bad Breath, Sick Headaches, etc. Use Elik's Stomachic Powder No. 2, prescription of noted Stomach Specialist, prepared by experienced Pharmacist. It must give immediate results or money back. \$1.00, \$2.00. Elik's Medicine Co., Box 234, Dept. 44, Saskatoon, Sask.

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FOR SALE Two Registered Angus Bulls, one and two years old. Box 23, Alix, Alta.

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VIX (STIKS-EM)—Settle shy breeding cows or mares with one service or your money back. Use just before service. 85c for cow or mare; \$2.35 for 4, postpaid. Will keep indefinitely. Order today. Kyle Ayrshire Farm, 506, Carman, Man.

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YORKSHIRE Advanced Registry hogs: Hampshire, Suffolk and Southdown ewes and rams, yearling Shorthorn bulls. P. J. Rock & Son, Drumheller, Alta.

WILL let 700 young Ewes on shares to responsible parties. Box No. 21, Farm & Ranch Review Limited, Calgary.

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CHIEF and Sunlight Raspberries, \$2.00 per hundred. Hanson's improved Sand Cherries, Blueberries, Hazel Nuts, 10 for \$1.00. Prepaid. Delivery in October. T. H. Kelsey, Gunn, Alta.

LAKESHORE NURSERY, Struan, Sask. offers for fall delivery large assortment of fruit trees, small fruits, ornamentals, shade trees. Catalogue free.

GROW BLUEBERRIES

enormous cultivated Blueberries, large as Grapes, sweet and delicious — Unsurpassed for commercial or home planting. Write today for Special Blueberry Bulletin and Catalog in full color — FREE

TOBE'S TREERY, NIAGARA-ON-THE-LAKE, ONT.

OPPORTUNITIES FOR WOMEN

LADIES, EARN MORE MONEY—LEARN hairdressing; a profession offering ambitious women unlimited opportunities. We positively guarantee complete thorough training under direct supervision of nationally-known instructors. Easy pay as you learn plan. Write or call for complete details and illustrated booklet. Marvel Beauty Academies, 326A-8th Ave. W., Calgary.

PHOTO FINISHING

INTRODUCTORY Special! Mail this ad. with 10c in coin and 4 negatives and receive 4 beautiful panel embossed snapshots in handy pocket album. Artisto, Dept. 159, Drawer 200, Regina, Sask.

SENSATIONAL Introductory Offer! 6 beautiful enlargements of any 6 negatives of same size (up to 2 1/4 x 4 1/4). Produced with new Photo Electric "Magic Eye". Send negatives with this ad. and 25c in coin today! Photo Research Labs., Dept. E, Drawer 370, Regina, Sask.

FOR the Best in the West send your films to us. Films developed and printed, 25c. Extra prints, 3c each. Farm Photo Service, Saskatoon, Sask.

WESTERN FILM SERVICE offers you a complete Photo Finishing Service. Films developed and printed, 25c. Reprints, 3c each. Western Film Service, Saskatoon, Sask.

PERSONAL

WRINKLES, Crowsfeet and saggy skin are caused by stretched pores. Shrink them and they are corrected. Grattan's Wrinkle Lotion will give you a fine texture skin, free of blackheads, large pores, wrinkles and saggy skin. You can feel the skin tighten. \$1.00 postpaid. Money-back guarantee. G. Grattan, Station L, Winnipeg, Manitoba.

BOOK of one thousand dreams and their meaning. How soon you will marry and who your future husband or wife will be. 120 pages in well bound covers. Most complete published. 50 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

WOMEN! If you have tried everything else and have failed to obtain relief, don't worry. Try "Delaye" Female Pills for delayed, painful or irregular periods. (Strongly recommended.) Triple Strength XXX, \$3.00. Paris Co., 312 McIntyre Bldg., Dept. "R", Winnipeg, Man.

LONELY—Get acquainted. Hundreds of members, all ages, many with means. Many widows with farms and city property. Housekeepers, cooks, city and country girls. Particulars, 10c. Ladies free. Western Social Club, Sub. 23, Edmonton, Alta.

BEAUTIFUL hair can be yours, free from dandruff, baldness, falling hair and itching scalp. Use Grattan's Hair Restorer, fully guaranteed. Complete treatment, 75 cents, postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

MEN! SEND \$1.00 for World's funniest collection of 14 joke novelties (all different), guaranteed for 1,000 laughs. Also catalogue of books and novelties. Western Distributors, Box 24NA-FR, Regina, Sask.

GET CHARM THAT ATTRACTS—Wield powerful love control. Make others love you. Secure clever woman's personal methods (confidential). Get special charm. Revealing book, introducing you to new power, 10c. Garden Studios, Dept. 5017, Box 423, M.S.S., New York.

SNAPPY COMIC XMAS CARDS! They're a wow! 12 different, spicy, snappy, comic Xmas cards and envelopes, to send to your friends here and overseas. Laughs galore or your money refunded. While they last: 12 for \$1.00; 24 for \$1.75; 48 for \$3.00. Order today. Western Distributors, Box 24XFR, Regina, Sask.

PERMANENT WAVE SETS—Hair waving at home without discomfort, without appointment. No electricity, no heat required. Professional-like wave that lasts six months. Used on all types of hair. Outfit contains 50 curlers, 3 ingredients and shampoo. Complete, with easy to follow instructions. Satisfaction guaranteed. Only \$1.10 postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

AVALON for grey hair. A perfectly harmless Herbal preparation that restores Grey, streaked and faded hair to its original color. Fully guaranteed. \$1.00 postpaid. G. Grattan, Station L, Winnipeg, Man.

KWIP KLIP—Saves Barber costs. Men, trim your own hair. Ladies remove hairs from arms and legs. Trim hair with a professional taper. No Steps. Fine for trimming children's hair. Use like ordinary comb. A safe, money-saving invention. Kwip Klip, complete with 2 blades, only \$1.00, postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

MARRY—Hundreds of members. Many with means! Widows with farms and city property. Country and city girls, teachers, nurses, farmers' daughters, cooks and housekeepers. Most all ages. Particulars, 10c. Ladies free. Canadian Correspondence Club, Box 128, Calgary, Alberta.

LONELY? "Cupid's Introducer" Independent Club. Different Lists in age groups. 150 or more members each list. Men or Women. Better join a real Club right now. Particulars, Photos Descriptions, 10c coin. None Free. Jack F. Painter, Box 966-R, Akron-9, Ohio.

MARRY RICH—Send for FREE photos and descriptions of lonely persons desiring correspondence and marriage. Jane Fuller Club, J-797, Milwaukee, 1, Wisconsin.

ASTRA fortune telling cards. Tell your own and friends' fortune. Wonderful amusement. Full deck and complete instructions. Only 50 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

CLASSIFIED—Continued on Page 30, Col. 3

FARM WORKERS

If you are not needed on a farm this winter, Other

ESSENTIAL INDUSTRIES

need your help.

Jobs are Available Now.

Apply for full information to:

Your Local Labour Representative,

Your District Agriculturist

or any office of

National Selective Service.

DOMINION-PROVINCIAL FARM LABOUR SERVICE
Parliament Buildings, Edmonton, Alberta.

SWING YOUR WORK WITH THE SEASONS

Help Yourself by Helping Your Country . . . BUY VICTORY BONDS

WILL THIS BEAUTIFUL HOME BE
YOURS Dec. 4th?
HURRY! the keys are waiting



URGENT NOTE:—All contributions must be post-marked no later than November 25th, 1944, to Participate in Prize Awards.

YOU CAN OWN THIS

\$9500 Home
For ONE DOLLAR

YES! . . . in just a few short weeks, December 4th, some lucky contributor to the Lions' Club Old Age Pensioner Project will win this beautiful new home. ACT NOW! Support this worthy cause and have your name in for the house by making your contribution—NOW!

Make Contributions Direct to:—



Calgary

LION'S CLUB

Use this form as a convenience in making Contributions.

To the **LIONS CLUB**,
309 - 7th Avenue West, Calgary, Alta.

I enclose \$_____ for _____ contributions to your fund to provide homes for our Old Folks. Please acknowledge receipt to:—

NAME _____

ADDRESS _____

F.R.-3



THE KIWANIS CLUB of St. Boniface, Man.

acknowledges, with thanks, the liberal support of all those who so generously subscribed to their recent Patriotic and Community Fund.

On Thursday Evening, October 5th, at a great public ceremony in the Norwood Collegiate, the following presentations were made:

The \$12,000.00 Kiwanis House

to
**MRS. A. R. KIME, Ste. 8, Mayfair Apts.
Mayfair Ave., Winnipeg, Man.**

\$100.00 VICTORY BONDS

to
Herbert Monthey, 270 Spence St.,
Winnipeg.
C. McDowell, 21 Spadina Court,
Winnipeg.
J. Kreibick, Niverville, Man.
Mrs. Barbara Jessamine, Grand
Marais, Man.
Mrs. Martha Harrison, Blackfoot,
Alta.

\$50.00 VICTORY BONDS

to
Mrs. Albert Webster, Brock, Sask.
Miss Florence Zakshewski, Krydor,
Sask.
Fred W. Martin, Turin, Alta.
St. Johns Music Store, 1308 Main St.,
Winnipeg.
Earl Davidson, Blackdale P.O., Man.

The Kiwanis motto "We Build" will be our guiding influence in the disbursement of the funds raised by this project in which so many participated.

This year Canada needs \$320,000,000 more than last year — INVEST IN
VICTORY by buying VICTORY BONDS.

PERSONAL

LADIES! Use "Stolen Moments" Perfume, witchery in fragrance. Frankly flirtatious, to set men's heads in a whirl over you! Bottle, 75c. Rene's House of Perfume, Box 1581, Winnipeg, Canada.

MEN, 35 - 45 - 55 Lack Pep? Try Menna for lowered vitality—manly pep and vigor guaranteed. \$2.00 Postpaid. Paris Co., Dept. "R", 312 McIntyre Bldg., Winnipeg, Man.

LONESOME? Join Reliable Club—Established 1909. Book of photos and descriptions of members. Free, sealed. Exchange Company, 3827-H Main, Kansas City, Mo.

OVERCOME YOUR BEAUTY PROBLEMS. Over or under weight. Skin blemishes, etc. Learn make-up secrets and styling. Sealed particulars, 10c. Evelyn Smith, Hinton Trail, Alberta.

ARE YOU RUPTURED?

RELIEF, COMFORT.—Positive Support without advance method. No elastic or under-strings or steel. Write Smith Manufacturing Co., Dept. 98, Preston, Ont.

RUPTURED? New patented invention, lifts and holds like the human hand. Write for information. Hand-Lock Products, 146 King St. East, Kitchener, Ont.

25c brings illustrated matrimonial magazine; names, addresses included. Destiny Publications, Aberdeen, Washington.

"**ELIJAH** Coming Before Christ", wonderful book free. Megiddo Mission, Rochester 11, N.Y.

LARGE package of Assorted Novelties mailed you postpaid for only 10c. L. Neigel, Vibank, Sask.

MISCELLANEOUS

1940 FORD DE LUXE SEDAN—Low mileage, very good tires, is our Carnival prize. Net proceeds for parcels for Canada's fighting men, and comforts for prisoners of war. Tickets, 3 for a dollar, or 3 free for selling a book. Write, Women's Institute, Rocky Mountain House, Alta. Registered under War Charities Act.

CATCH UP to 30 WEASELS in one night. Particulars for stamp. R. Hunter, Sunnynook, Alberta.

6 PAIRS ANGORAS FOR SALE, \$5.00 per pair. Shaw Rabbitry, Glenwoodville, Alberta.

SONG WRITERS

SONG POEMS wanted to be set to music. Send poem for immediate consideration. FIVE STAR MUSIC MASTERS, 545 Beacon Bldg., Boston 8, Mass.

SONGWRITERS — Send poem for immediate examination and Free Rhyming Dictionary. Richard Brothers, 18 Woods Building, Chicago.

TANNERIES

TANNERS, Furriers, Fur Dressers — Furs stored and repaired, robe and leather Tanning, Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone E 5430.

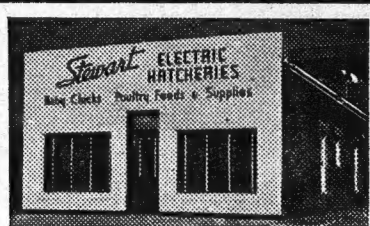
TOBACCO

GUARANTEED first quality leaf tobacco. Five pounds Large Red or Havana, \$3.95; five pounds Obourg or Rose Quesnel, \$4.75; five pounds Small Canadian, \$5.95. Postpaid. Quantity limited. Order at once. N. Landry & Co., 3127 St. Catherine East, Montreal.

WASHER REPAIRS

MAYTAG Washer and Engine Repairs carefully done by trained mechanics. A full stock of parts on hand for Maytag repairs, also wringer rolls for most makes. The Maytag Co. Ltd., Calgary and Regina.

BABY CHICKS



The Home of Stewart Chicks



Stewart Chicks

Buy With Confidence.
Raise With Pride!

IN view of the ever increasing demand for our high quality chicks, we have doubled the size of our hatchery building for 1945, which is now one of the largest and modern air-conditioned hatcheries in Canada. Two new Buckeye Streamliner incubators have been added to our new modern hatchery which follows Stewart's progressive policy of quality, service and satisfaction.

Avoid disappointment. Order your 1945 poultry needs now. A small deposit will book your order for those chicks that LIVE, GROW, LAY AND PAY. Competitive Alberta prices.

Tune in on our Old-Time Program
Thursday nights, 9:30 p.m., over
CFCN, Calgary, 1010 K.C.

Stewart Electric Hatcheries
602B—12th AVE. W., CALGARY, ALTA.

A Golden Opportunity for Boys of 17 years



Take your choice
of these six highways to
Success

- ★ ELECTRICAL
- ★ MACHINIST
- ★ AUTOMOTIVE
- ★ CLERICAL
- ★ DRAUGHTING
- ★ SURVEYING

LEARN A TRADE NOW Guarantee Your Future!

This Trade Training with pay will put 17 year old boys on top of the post-war world

Don't Wait! Don't Delay! If you are 17 years old, have passed Grade VIII, get ready now for your lifetime work. The Canadian Army will train you—FREE—in any one of six leading trades. It will pay you while you learn; feed, clothe and house you; provide all necessary materials; the finest equipment, competent instructors. It's the chance of your lifetime.

DON'T WAIT--Mail This Coupon Today

DISTRICT RECRUITING OFFICER M.D. 13 Calgary
Please send me full information on enlisting in Trades Training.

NAME _____ I am interested in learning the
Trade checked below
ADDRESS _____ ☐ Electrical ☐ Clerical
☐ Machinist ☐ Draughting
CITY or TOWN _____ ☐ Automotive ☐ Surveying

SEND YOUR MONEY



this safe, convenient way

CANADIAN NATIONAL EXPRESS Money Orders

For Sale at all
CANADIAN NATIONAL RAILWAYS STATIONS and EXPRESS OFFICES



Drive Out Gas
that is caused by
Constipation
and comfort your stomach too

When functional constipation hangs on and makes you feel miserable, nervous and out of sorts and you suffer from its symptoms—headaches, bad breath, upset stomach, indigestion, loss of sleep, lack of appetite, and your stomach feels crowded because of gas and bloat—get Forni's time-tested Alpenkräuter and take exactly as directed on label. More than a laxative, it is also a stomachic tonic medicine compounded of 18 of Nature's own medicinal roots, herbs and botanicals. Alpenkräuter puts sluggish bowels to work and aids them to gently and smoothly expel clogging waste; helps drive out constipation's gas, gives the stomach that splendid feeling of warmth. If you again want to know the joy of happy relief from constipation's miseries and comfort your stomach at the same time, get Alpenkräuter today.



If you cannot buy it in your neighborhood, send for our "get acquainted" offer on Alpenkräuter and receive—

FREE 60c Value—
Trial Bottles of

FORNI'S HEIL-OEL LINIMENT—antiseptic—brings quick relief from rheumatic and neuralgic pains, muscular backache, stiff or sore muscles, strains and sprains.
FORNI'S MAGOLO—alkaline—relieves certain temporary stomach disturbances such as acid indigestion and heartburn.

MAIL this "SPECIAL OFFER" Coupon—Now

- ☐ Enclosed is \$1.00. Send me post-paid 11 oz. Alpenkräuter and free—60c value—trial bottle each of Heil-Oel and Magolo.
☐ C.O.D. (charges added).

Name.....

Address.....

Postoffice.....

DR. PETER FAHRNEY & SONS CO.
Dept. C94—1VN

2501 Washington Blvd., Chicago 12, Ill.
255 Stanley St., Winnipeg, Man., Can.

Wit of the World

Voice of Experience

A YOUNG man who did not know whether to marry a rich widow or a poor but worthy girl whom he dearly loved consulted a captain of industry.

"In such matters," said his advisor, "you should let your heart be your guide. Marry the poor but virtuous girl, by all means. And by the way, what is the address of the widow?"

Had Sideline

NOTE the appeal of the sporting and religious instincts of southern planters contained in this advertisement from a newspaper of a hundred years ago—quoted in "Lorezo Dow" by Charles Coleman Sellers:

"Religious notice — The Rev. Mr. Blaney will preach next Sunday in Dempsey's grove, at ten o'clock, a.m., and at four o'clock p.m., Providence permitting. Between the sermons the preacher will run his sorrel mare, Julia, against any nag that can be trotted out in this region, for a purse of one hundred dollars."—Ontario Milk Producer.

Evacuated

A MONG one group of children singing, "Pack Up Your Troubles" as they marched along was heard the voice of one little girl, waving to a friendly onlooker: "I am being evaporated."

"That's not right," said her companion, a year older, "We are being excavated."

Some Choir

"CHOIR practise was out early last night, wasn't it?"

"Yes."


"What was the trouble?"

"Some one blew an auto horn outside and the male quartet was all that was left."

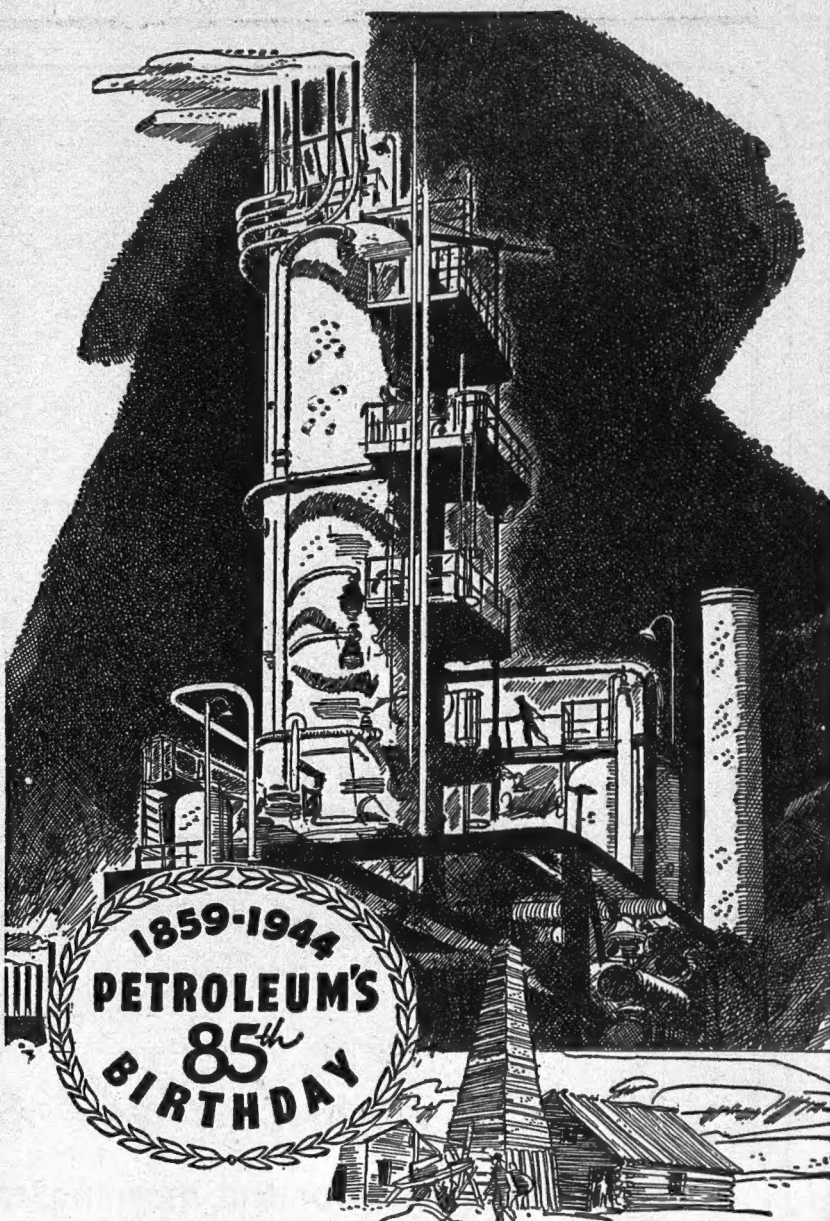
Fresh Eggs

MAN (in restaurant)—Are these eggs fresh?

Waitress—Mister, those egg are so fresh the hens haven't even missed them yet.



"THERE GOES ONE OF THOSE MAGIC CARPETS FROM OUT WEST"



Oil's Contribution to Man

In 1859 a group of far-sighted men drilled down into the earth near Titusville, Pennsylvania. At a little over sixty-nine feet, their drill struck oil . . . and thus, in the little wooden shacks that sheltered the pioneer Drake Well, the petroleum industry was born.

Through eighty-five years of progress, new generations of oil men have pushed their drills almost five miles down below the surface, stepped up petroleum production from forty to over 4,500,000 barrels a day on this continent. And on this tidal wave of "liquid power" rich gifts have floated to mankind . . . the modern car, truck and airplane . . . oil-heated homes and oil-driven ships . . . the farmer's tractor . . . asphalt roads that unite the nation . . . lubricants and other petroleum products that have enabled industry to produce better goods at lower cost, for more people. Today, as essential "ammunition" on our fighting fronts, petroleum is making its finest gift—

victory in a bitter war to preserve our way of life and ensure our future.

As Canada's pioneer and leader in the field of petroleum, Imperial Oil Limited has contributed abundantly to the achievements of the past—is giving its best and utmost to the war job of today. Tomorrow, when peace comes, Imperial Oil service station men will again speed the motorist happily along the highway. Imperial Oil research workers will turn their inventive skill from tasks of war to problems of peacetime progress. The Imperial Oil geologists, engineers and drillers who brought Norman Wells and Turner Valley into being will continue to search for the oil resources necessary to our further progress.



IMPERIAL OIL LIMITED

Shown above is a fractionating tower of a modern crude oil refining unit at Imperial Oil's Sarnia, Ontario, Refinery. This one unit has a capacity of 26,000 barrels a day!



"...good-night then. Sleep to gather strength for the morning, for the morning will come.

Brightly it will shine on the brave and true; kindly upon all who suffer for the cause; glorious upon the tombs of the heroes — thus will shine the dawn
... Long live the forward march of the common people in all the lands, toward their just and true inheritance and toward the broader and fuller age."

Rt-Hon. Winston Churchill's prophetic broadcast, October 21st, 1940.

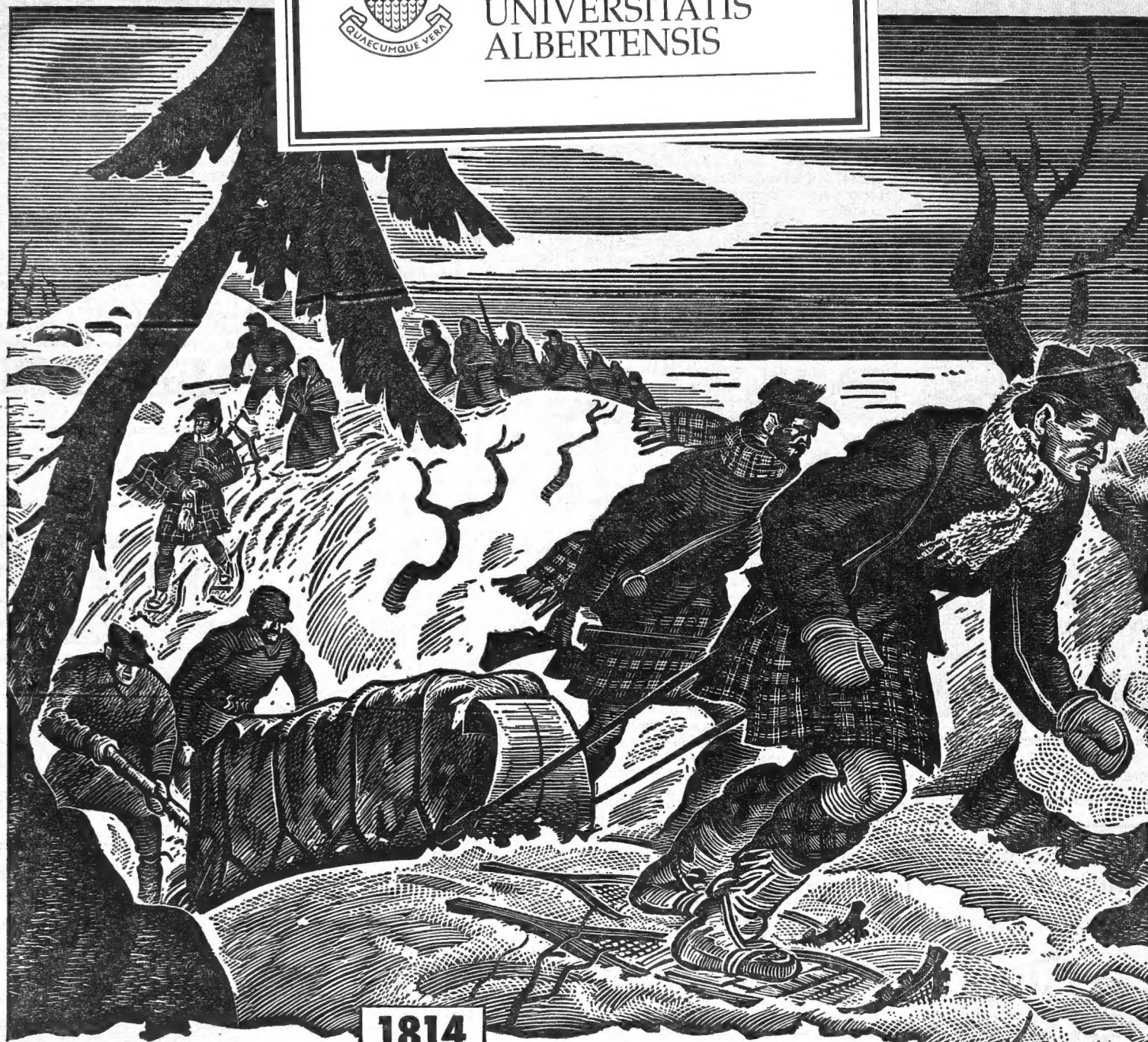
The Prophecy Is Coming True!

Invest in Victory - Buy Victory Bonds

CONTRIBUTED BY *Bright's Wines* LIMITED



EX LIBRIS
UNIVERSITATIS
ALBERTENSIS



1814

What they achieved...we must hold

THEY HAD ENDURED POVERTY in Scotland. Many had died of typhus during long weeks at sea. All through the winter at Churchill on Hudson Bay they suffered from cold and hunger. In April they trudged 150 miles across the snow to York Factory—thence up the Nelson River, Lake Winnipeg and the Red River to the Selkirk Settlement where Winnipeg now stands.

It was a whole year's journey for this little band of Selkirk Settlers—a year of constant hardships. But these hardy pioneers were willing to undergo any hardships to reach a land where their

effort and initiative could earn its reward, and where they could carve out a happy future for themselves and their children.

That is the heritage they have handed down to us. That is what we are defending in this second World War.

Victory Bonds are a means by which each Canadian can share in the war effort of his own free will. That is why Canadians have given their wholehearted support to each Victory Loan. That is why we will all support the Seventh Victory Loan to the limit of our ability.

THE
ACHIEVEMENT OF THE
PAST IS THE PROMISE
OF THE FUTURE



Invest in
Victory...

BUY VICTORY BONDS



THE INTERNATIONAL NICKEL COMPANY OF CANADA, LIMITED, 25 King Street West, TORONTO